

**REMEDIAL SITE ASSESSMENT DECISION - EPA REGION IV**

26769

Site Name: OLD CHERRY GROVE LANDFILL

EPA ID#: SCD987597432

Alias Site Names: \_\_\_\_\_

City: LITTLE RIVER

County or Parish: HORRY

State: SC

Refer to Report Dated: 3/30/95

Report type: SI

Report developed by: SCDHEC

**DECISION:**

☒ **1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:**

☒ **1a. Site does not qualify for further remedial site assessment under CERCLA (Site Evaluation Accomplished - SEA)**

☐ **1b. Site may qualify for further action, but is deferred to:**

☐ RCRA  
☐ NRC

☐ **2. Further Assessment Needed Under CERCLA:**

2a. (optional) Priority: ☐ Higher ☐ Lower

2b. Activity Type: ☐ PA ☐ ESI  
☐ SI ☐ HRS evaluation

☐ Other: \_\_\_\_\_

**DISCUSSION/RATIONALE:** 17 ACRE WASTE PILE USED IN THE LATE 60'S AND EARLY 70'S FOR MUNICIPAL WASTE DISPOSAL. SI REVEALED LOW WASTE CONCENTRATIONS AND MINIMAL TARGETS. SITE IS NOT NPL CALIBER. NFRAP. 4/14/95

Report Reviewed and Approved by: EARL BOZEMAN

Signature: Earl Bozeman

Date: 4/14/95

Site Decision



Made by: EARL BOZEMAN

Signature: Earl Bozeman

Date: 4/14/95

OLD CHERRY GROVE LANDFILL  
SITE INVESTIGATION  
HORRY COUNTY  
SCD 987 597 432

NFRAP  
4/14/95  
Carl F. Brummond

Completed By: Greg George   
Reviewed By: Robert Cole   
Site Screening Section  
Bureau of Solid & Hazardous Waste Management  
South Carolina Department of Health & Environmental Control  
2600 Bull Street  
Columbia, SC 29202

Date Completed: March 30, 1995

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## **I. SCOPE OF WORK**

Under authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), the Site Screening Section, SCDHEC conducted a Site Investigation (SI) at the Old Cherry Grove Landfill in Horry County, South Carolina. The purpose of this investigation is to determine the need for additional CERCLA/SARA or other appropriate action. The scope of the investigation included a review of available file information, a site reconnaissance and sampling trip, and a thorough target survey.

## **II. INTRODUCTION/EXECUTIVE SUMMARY**

The Old Cherry Grove Landfill site is located in Little River, South Carolina in Horry County. The site is presently owned by International Paper, and is no longer active. Old Cherry Grove Landfill was used for four years during the 1960's and 1970's as a municipal landfill by the Town of Cherry Grove.

The site is characterized as a waste pile approximately 17 acres in size. The landfill is unlined and a daily cover was not maintained during operation. A one time soil cover was applied to the landfill at the time of closure. The soil cover has since eroded, exposing landfill materials, i.e. household, municipal wastes. Run-off from the site flows into a low-lying boggy area containing wetland vegetation. No surface water intakes are located within the surface water pathway. The wetlands area was dry during the site reconnaissance and sampling trip and is not capable of supporting a fishery. Sediment samples collected during this investigation revealed no contamination attributable to the site in the boggy area.

Groundwater is used for public drinking water supply within four miles of the site. Scattered private groundwater wells are located throughout the four mile site radius. The potential for a release to groundwater exists due to the lack of a liner and the depth to groundwater (less than five feet). No groundwater samples were collected for the purposes of this investigation.

The population within four miles of the site consists of the Town of Cherry Grove and rural dwellings. There are no residences located on the former landfill and no schools or day care facilities are within 200 feet of the site.

The Old Cherry Grove Landfill site is given a "low" priority for further Federal action due to the low levels of wastes detected on-site, and the overall lack of targets. SCDHEC has conducted previous investigations at the site under the Enforcement and Solid Waste Permitting Sections. A closure plan was completed for SCDHEC; however, no remedial or removal action is planned at this time. The site will be assessed under the State Superfund Program to determine the need for any further remedial action.



### III. SITE DESCRIPTION, HISTORY, AND WASTE CHARACTERISTICS

### A. Ownership History

<u>Date</u>	<u>Owner</u>	<u>Land Use</u>
1960 - 1985	International Paper	City Dump (four yrs.)
1986 - 1990	CRE Investors	Land Development
1990 to Present	International Paper	None

**Contact:** Alvis Whitlock  
International Paper  
(901) 763-6000 (Ref. 12)

## B. Site Location and Description

Old Cherry Grove Landfill is located just over three miles northwest of Cherry Grove in Horry County, South Carolina. It is located one mile west of South Carolina State Highway 9. The site is located in a rural setting among woodlands and is adjacent to a low-lying, boggy area. A few individual dwellings and farm land surround the landfill. The site coordinates are 33 degrees 51 minutes 56.1 seconds north latitude, and 78 degrees 40 minutes 56.2 seconds west longitude (Ref. 1, 18).

The total area of the property is 413 acres. The landfill is located on approximately 17 acres of the 413 acre parcel (Ref. 19). The landfill was a municipal landfill without a maintained daily cover. Scatter debris (cans, bottles, and other municipal waste) is visible on the surface and along the edge that slopes down into the boggy area (Ref. 18). The property is not surrounded by a maintained fence (Ref. 20). The topography is generally flat with a slight slope westward through the bog and towards the Waccamaw River (Ref. 1).

### C. Site History and Waste Characteristics

The facility was in operation for a four year period between the early 1960's until solid waste disposal regulations came into effect in 1972 (Ref. 18, 21). The site was used for city/municipal waste disposal. Municipal garbage from the Town of Cherry Grove was disposed of at the site. The landfill did not maintain a daily cover and had no liner. A one time cover was applied to the landfill at the time of closure, but has since eroded in some areas exposing household/municipal debris (Ref. 12, 20). Additional household wastes have been deposited at the site by unknown parties. For the purposes of this report, the site will be considered a 17 acre waste pile. The volume of the waste pile is estimated at 275,000 cubic yards (Ref. 18, 20). During the time of operation, the site was owned by International Paper. International Paper never utilized the site as a landfill. There are no major industries located near

the site (Ref. 1, 18). Three on-site soil samples were collected during the SI. Low levels of a few metals and organic compounds were detected in all three of the samples - see Table I (Ref. 4).

Table I: Parameters detected at or above three times background levels. (Results in PPM)					
Parameter	CG-001-SS	CG-008-SS*	CG-002-SS	CG-003-SS	CG-004-SS
Aluminum	780	1000	1000	1600	5200
Barium	5.1	4.8	2.5	5.6	36
Copper	0.95	1.1	1.5	4	1.9
Lead	5.1	5	4.2	5.6	84
Magnesium	24	34	17	72	190
Manganese	1	2	1.3	7.2	140
Vanadium	0.93J	1.3	2.7	4.9	6.3
Zinc	2U	3U	3U	10	330
PCB-1242	.150	.600	.038U	.039U	.160
PCB-1260	.036U	.037U	.038U	.130	.040U
Bis(2-ethylhexyl) Phthalate	1.300U	.620U	3.2	2.200U	2.700U

\* - Duplicate of CG-001-SS.

(Ref. 4)

SCDHEC has completed previous investigations at the site under the Enforcement and Solid Waste Permitting Sections. A closure plan was completed for SCDHEC by Engineering Tectonics. SCDHEC would not approve of the plan without a consent order from the owners (CRE Investors). The previous owners did not sign the consent order and no further work was done on the site (Ref. 20). International Paper purchased the site back from CRE Investors in 1990 and is currently undecided on future land use (Ref. 12).

#### IV. GROUNDWATER PATHWAY

##### A. Regional Hydrogeology

The following geologic units underlie the site (Ref. 3):

Table II: Regional Hydrology at Old Cherry Grove Landfill.			
Name of Formation	Description	Hydraulic Conductivity	Depth of Occurrence
Canepatch	Sand, sandy clay, and shelly sand	$10^{-4}$ cm/sec	0-40 Ft.
Pee Dee	Clay with sand and silty sand	$10^{-6}$ cm/sec	40-315 Ft.
Black Creek	Sand interbedded with clay	$10^{-4}$ cm/sec	315 Ft. +

(Ref. 3)

Regional hydrogeologic data indicates that the Pee Dee Formation contains a confining unit that exists within a two-mile radius of the site. The confining unit likely restricts the downward vertical migration of groundwater to the principal drinking-water aquifer located in the Black Creek Formation. The referenced facility is not located in an area of karst topography. Based on water levels in 11 on-site wells, the depth to groundwater ranges between 1 and 4 feet below ground surface. The predominant shallow groundwater flow direction beneath the southeastern portion of the landfill appears to be to the southeast towards a small pond. The predominant shallow groundwater flow direction beneath the remaining portions of the landfill appears to be to the southwest towards a wetlands area (Ref. 3). The net precipitation for this area of South Carolina is between 5 and 15 inches per year (Ref. 8).

##### B. Groundwater Targets

A well inventory within the four-mile site radius indicates the following uses of groundwater: irrigation, industrial, domestic, and public water supply (Ref. 3).

According to USGS topographic maps, the total groundwater population within four miles of the site is 2,691 people (Ref. 1). This number was generated by counting the number of residences within each radii not on public water supply, and

multiplying by 2.52 people per household for Horry County (Ref. 6). The main source of drinking water within four miles of the site is surface water. The City of North Myrtle Beach uses a blended system composed of 92% surface water and 8% groundwater. The groundwater wells used in the blended system are found within the three to four mile radii (Ref. 1, 17). The North Myrtle Beach system services 13,010 taps (Ref. 17). The nearest resident relying on a private drinking water well is estimated to be 500 feet southeast of the site (Ref. 1). Table III contains the breakdown of the groundwater drinking population in Horry County for both public and private wells (Ref. 1, 6).

Table III: Groundwater Use Within Four Miles of Old Cherry Grove Landfill.			
RADII (miles)	PRIVATE SUPPLY	PUBLIC SUPPLY	
	Population	Taps	Population
0 - ¼	8	0	0
> ¼ - ½	8	0	0
> ½ - 1	50	0	0
> 1 - 2	166	0	0
> 2 - 3	232	0	0
> 3 - 4	164	1,041 *	2,623
<b>TOTAL:</b>	<b>628</b>	<b>1,041</b>	<b>2,623</b>

\* - Number of taps derived by multiplying 13,010 taps by .08 (the percentage of groundwater used in the blended system).

(Ref. 1, 6, 14)

### C. Analytical Results

A release to groundwater is possible due to the lack of containment and the fact that the waste pile is located within or near the water table (Ref. 3, 20). On-site monitoring wells were sampled in 1991 by Engineering Tectonics, P.A. The samples were tested for BOD, TOC, COD, total organic halogen, petroleum hydrocarbons, and total iron. The groundwater sampling results indicated elevated levels of these parameters (Ref. 20). No groundwater samples were collected for the purposes of this report due to the overall lack of groundwater targets near the site (Ref. 1, 11).

## **V. SURFACE WATER PATHWAY**

### **A. Regional Characteristics**

Based on topographic maps and physical observation, overland drainage from the site flows westward towards a low-lying, boggy area. The boggy area contains several shallow drainage channels that meander throughout the bog. The dimensions of the bog are approximately 0.5 miles by 0.25 miles. Elevated, earthen roads surround the boggy area preventing continued overland drainage (Ref. 1, 12).

Old Cherry Grove Landfill is located within the 100 year flood plain (Ref. 10). The 2 year-24 hour rainfall value is 4.25 inches for the center of Horry County (Ref. 7).

### **B. Surface Water Targets**

There are no drinking water intakes located within the surface water pathway (Ref. 2). The boggy area is not capable of supporting a fishery and was completely dry during the site reconnaissance and sampling trip (Ref. 12). According to the topographic maps, the entire bog is delineated as wetlands (Ref. 1). There are no state or Federally endangered species within the surface water pathway (Ref. 2).

### **C. Analytical Results**

Three sediment samples were collected from the boggy area west of the site (CG-005-SD, CG-006-SD, and CG-007-SD). The samples were collected at approximately 100 foot intervals 20 feet from the edge of the landfill (Ref. 12). The following table contains the analytical results from the three sediment samples taken from the boggy area (Ref. 4).

Table IV: Parameters detected at or above three times background* levels. (Results in PPM)			
Parameter	CG-005-SD	CG-006-SD	CG-007-SD
Aluminum	1400	6500	13000
Barium	12	35	83
Copper	8.8	6.1	13
Lead	7.6	17	32
Magnesium	130	590	730
Manganese	40	58	210
Vanadium	2.6	6.9	14
Zinc	46	26	180
PCB-1242	.055U	.110	.830

\* - Samples CG-001-SS and CG-008-SS used as background samples.

(Ref. 4)

Elevated metals are likely the result of different soil types. Soils collected from the bog were siltier and darker in color than the on-site and background soil samples. The boggy area is downgradient of the site, thus there is no background sample with which to compare the results (Ref 1, 12). Metals detected above three times soil background levels are within naturally occurring ranges (Ref. 14). PCB-1254 was detected in the duplicate background soil sample at .600 ppm (Ref. 4). All PCBs detected on and around the site are below established EPA cleanup levels (Ref. 15). Various semi-volatile organic compounds were detected at estimated (J) levels in sample CG-007-SD. None of the estimated levels exceeded 1 ppm and are not attributable to the site (Ref. 4, 12).

## VI. SOIL AND AIR PATHWAYS

The Old Cherry Grove Landfill site is not surrounded by a fence and is accessible from all directions (Ref. 12). The site may be used for recreational purposes (i.e., hunting, camping, etc); however, no evidence of such activities was found during the site reconnaissance or sampling trip (Ref. 12). There are no private residences or workers on the property (Ref. 1, 12). The site is currently inactive and no waste activities are occurring on-site (Ref. 12). Population figures for the four mile

radius were estimated using 1990 U.S. census data (Ref. 6). Table V contains the population estimates for each radius.

Table V: Population Estimates within Four Miles of the Old Cherry Grove Landfill Site.	
Radius (Miles)	Population
On-site	0
0 - ¼	24
¼ - ½	118
½ - 1	540
1 - 2	1962
2 - 3	3684
3 - 4	5683

(Ref. 1, 6, 16)

There are no state or Federally endangered species located within four miles of the site (Ref. 16). There are large areas of wetland vegetation within the four mile site radius (Ref. 1). On-site soil samples contained slightly elevated levels of various metals and PCBs. See Table I for selected soil sample results (Ref. 4). The metals were within naturally occurring levels and the PCBs were below EPA cleanup levels (Ref. 14, 15).

## VII. CONCLUSION AND RECOMMENDATIONS

The Old Cherry Grove Landfill site is given a "low" priority for further Federal action due to the low levels of wastes detected on-site, and the overall lack of targets. SCDHEC has conducted previous investigations at the site under the Enforcement and Solid Waste Permitting Sections. A closure plan was completed for SCDHEC by Engineering Tectonics. SCDHEC would not approve of the plan without a consent order from the owners (CRE Investors). The owners did not sign a consent order and the property was transferred back to International Paper. No remedial or removal action is planned at this time. The site will be assessed under the State Superfund Program to determine the need for any further remedial action.

## VIII. REFERENCES

1. USGS Topographic Maps, 7.5 minute series (Including waterline maps).

Hand, SC	1947
Wampee, SC	1947
Little River, SC	1984
Longs, SC, NC	1947
2. South Carolina Heritage Trust, endangered species and well location printout detailing surface water uses, and endangered species near the Old Cherry Grove Landfill site. December 17, 1993. Copy attached.
3. Feagin, Marion, SCDHEC, memorandum to Greg George, SCDHEC. The Old Cherry Grove Landfill site Hydrogeologic Review. January 3, 1993. Copy attached.
4. Sampling results from the August 24, 1994 sampling trip to the Old Cherry Grove Landfill site. Released from EPA October 8, 1994. Copies attached.
5. South Carolina Water Resources Commission, *South Carolina Rivers Assessment*. September 1988.
6. United States Bureau of the Census. Housing Units by Occupancy Status, Total Population and Persons Per Household, 1990.
7. South Carolina Water Resources Commission, State Climatologist Rainfall Figures by County. Statistical 2-year, 24-hour rainfall for Horry County.
8. U.S. EPA, Hazardous Ranking System; Final Rule, 40 CFR Part 300. December 14, 1990.
9. SCDHEC, BSHWM. Printout of RCRA Listed Facilities. August, 1993. Available in Site Screening Section, BSHWM.
10. National Flood Insurance Program, Flood Insurance Rate Map. Horry County, South Carolina. Map panel 375 of 375. September 30, 1988.
11. Greg George, SCDHEC, Sampling Plan for Old Cherry Grove Landfill. August 24, 1994. Copy attached.
12. Greg George, SCDHEC, Trip Report for Old Cherry Grove Landfill. September 24, 1994. Copy attached.



13. Greg George, SCDHEC, record of communication to Old Cherry Grove Landfill file. Dated December 21, 1993. Copy attached
14. U.S. Department of Health & Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry (ATSDR) Toxicological Profiles for TCL metals. Copies available at SCDHEC, BSHWM.
15. Superfund Week. Vol. 7 No. 22. Pg. 6. Anchorage has Lead and PCBs. June 4, 1993.
16. Patrick Horton, SCDHEC, population estimates around the Old Cherry Grove Landfill site.
17. SCDHEC, Bureau of Drinking Water Protection, inventory of public water supply systems, Horry County. November 30, 1992.
18. Engineering Tectonics, P.A., Report of Investigations, CRE Landfill Site. Dated June, 1990. Copy available at SCDHEC, Columbia, South Carolina.
19. Richard Bonds, SCDHEC, memorandum on CRE Landfill meeting. Dated June 19, 1991. Copy attached.
20. Engineering Tectonics, P.A., Closure and Post Closure Plan, CRE Landfill Site. Dated October 4, 1990. Copy available at SCDHEC, Columbia, South Carolina.
21. Barry Nelson, SCDHEC, letter to April Grunsky. Dated October 29, 1990. Copy attached.

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**OVERSIZED**

**DOCUMENT**

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE ENDANGERED SPECIES FOUND WITHIN 4 MILES AND BETWEEN LATITUDE 33-52-00 TO 33-53-30 AND LONGITUDE 78-41-15 TO 78-52-30  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME SCIENTIFIC NAME	STATUS	LONGITUDE LATITUDE	DISTANCE FROM SITE	GRANK SRANK	DATE ADDED	TOPO MAP / COUNTY WHERE THE SPECIES IS LOCATED
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-44-34 33-53-02	0.00 Miles UNK	G4 S2	06/22/85	LONGS Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-45-27 33-52-40	0.00 Miles UNK	G4 S2	06/22/85	HAMMOND Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-45-27 33-52-40	0.00 Miles UNK	G2 S2	06/22/85	HAMMOND Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-44-34 33-53-02	0.00 Miles UNK	G3 S1	06/22/85	LONGS Horry
SHORTLEAF SNEEZEWEED HELENIUM BREVIFOLIUM	RC	78-44-00 33-53-28	0.00 Miles UNK	G4 S1	06/22/85	LONGS Horry
BURHEAD ECHINODORUS TENELLUS VAR PARVULUS	SL	78-49-06 33-53-12	0.00 Miles UNK	G3T2 S2	05/08/85	HAMMOND Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-43-20 33-52-50	0.00 Miles UNK	G3 S1	06/22/85	LONGS Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-43-20 33-52-50	0.00 Miles UNK	G4 S2	06/22/85	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-43-20 33-52-50	0.00 Miles UNK	G2 S2	06/22/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-45-27 33-52-40	0.00 Miles UNK	G3 S1	06/22/85	HAMMOND Horry
SARVIS HOLLY ILEX AMELANCHIER	UN	78-47-27 33-52-55	0.00 Miles UNK	G3G4 S3	05/07/85	HAMMOND Horry

Ref. 2

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HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-42-51 33-54-46	3.53 Miles NNW	G2 S2	06/22/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-43-20 33-52-50	2.22 Miles WNW	G3 S1	06/22/85	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-39-53 33-51-22	1.50 Miles ESE	G2 S2	10/04/83	WAMPEE Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-43-20 33-52-50	2.22 Miles WNW	G4 S2	06/22/85	LONGS Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-43-11 33-54-20	3.26 Miles NNW	G4 S2	06/22/85	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-43-20 33-52-50	2.22 Miles WNW	G2 S2	06/22/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-42-43 33-54-58	3.69 Miles NNW	G3 S1	06/22/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-45-27 33-52-40	4.11 Miles WNW	G3 S1	06/22/85	HAMMOND Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-42-42 33-54-28	3.16 Miles NNW	G4 S2	06/22/85	LONGS Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-42-43 33-54-58	3.69 Miles NNW	G4 S2	06/22/85	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-44-34 33-53-02	0.00 Miles UNK	G2 S2	06/22/85	LONGS Horry

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HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-45-27 33-52-40	4.11 Miles WNW	G2 S2	06/22/85	HAMMOND Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-44-34 33-53-02	3.40 Miles WNW	G3 S1	06/22/85	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-42-42 33-54-28	3.16 Miles NNW	G2 S2	06/22/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-41-53 33-54-48	3.28 Miles NNW	G3 S1	06/21/85	LONGS Horry
SHORTLEAF SNEEZEWEED HELENIUM BREVIFOLIUM	RC	78-44-00 33-53-28	3.13 Miles WNW	G4 S1	06/22/85	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-43-11 33-54-20	3.26 Miles NNW	G2 S2	06/22/85	LONGS Horry
SARVIS HOLLY ILEX AMELANCHIER	UN	78-40-13 33-55-32	4.18 Miles NNE	G3G4 S3	05/07/85	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-41-53 33-54-48	3.28 Miles NNW	G2 S2	06/21/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-42-42 33-54-28	3.16 Miles NNW	G3 S1	10/10/85	LONGS Horry
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THE ENDANGERED SPECIES FOUND WITHIN 4 MILES AND BETWEEN LATITUDE 33-52-00 TO 33-53-30 AND LONGITUDE 78-41-15 TO 78-52-30  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME SCIENTIFIC NAME	STATUS	LONGITUDE LATITUDE	DISTANCE FROM SITE	GRANK SRANK	DATE ADDED	TOPO MAP / COUNTY WHERE THE SPECIES IS LOCATED
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-43-19 33-53-49	2.88 Miles NNW	G2 S2	06/22/85	LONGS Horry
PINK TICKSEED COREOPSIS ROSEA	RC	78-42-42 33-54-33	3.25 Miles NNW	G3 S2	10/18/80	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-44-34 33-53-02	3.40 Miles WNW	G2 S2	06/22/85	LONGS Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-44-34 33-53-02	3.40 Miles WNW	G4 S2	06/22/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-43-11 33-54-20	3.26 Miles NNW	G3 S1	06/22/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-43-19 33-53-49	2.88 Miles NNW	G3 S1	06/22/85	LONGS Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-45-27 33-52-40	4.11 Miles WNW	G4 S2	06/22/85	HAMMOND Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-40-35 33-49-15	3.23 Miles SSE	G3 S1	06/12/33	WAMPEE Horry
SARVIS HOLLY ILEX AMELANCHIER	UN	78-43-11 33-54-20	3.26 Miles NNW	G3G4 S3	06/22/85	LONGS Horry
SARVIS HOLLY ILEX AMELANCHIER	UN	78-42-37 33-54-27	3.11 Miles NNW	G3G4 S3	10/10/85	LONGS Horry
BURHEAD ECHINODORUS TENELLUS VAR PARVULUS	SL	78-40-13 33-55-32	4.18 Miles NNE	G3T2 S2	06/21/85	LONGS Horry

Date: 12/16/93

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL

BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE SURFACEWATER SUPPLIES FOUND BETWEEN LATITUDE 33-52-00 TO 33-53-30 AND LONGITUDE 78-41-15 TO 78-52-30

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

TREATMENT WORKS NAME	LONGITUDE	PUMP (GPM)
OWNERS IDENTIFICATION	LATITUDE	TREATMENT (GPD)

NO SOURCES FOUND.	- - 0	0.0
	- - 0	0.000

SOURCE IDENTIFICATION:

AQ - Aquaculture	IR - Irrigator	PT - Thermo-power	CO - Commerical	MI - Mining
ST - Sewage Treatment	GC - Golf Course	PH - Hydro-power	WS - Public Supply	IN - Industry

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE ENDANGERED SPECIES FOUND WITHIN 4 MILES AND BETWEEN LATITUDE 33-52-00 TO 33-53-30 AND LONGITUDE 78-41-15 TO 78-52-30

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME		LONGITUDE	DISTANCE	GRANK	DATE	TOPO MAP /
SCIENTIFIC NAME	STATUS	LATITUDE	FROM SITE	SRANK	ADDED	COUNTY WHERE THE SPECIES IS LOCATED

GRANK/SRANK - Nature Conservancy rating:

- G1 - Critically imperiled globally because of extreme rarity or because of some factor(s) making it especially vulnerable to extinction.
- G2 - Imperiled globally because of rarity or factor(s) making it vulnerable.
- G3 - Either very rare throughout its range or found locally in a restricted range, or having factors making it vulnerable.
- G4 - Apparently secure globally, though it may be rare in parts of its range.
- G5 - Demonstrably secure globally, though it may be rare in parts of its range.
- S1 - Critically imperiled state-wide because of extreme rarity or because of some factor(s) making it especially vulnerable to extirpation.
- S2 - Imperiled state-wide because of rarity or factor(s) making it vulnerable.
- S3 - Rare or uncommon in state.
- S4 - Apparently secure in state.
- S5 - Demonstrably secure in state.

STATUS - Legal status:

- FE - Federal Endangered
- FT - Federal Threatened
- NC - Of Concern, National (plants)
- RC - Of Concern, Regional (plants)
- SE - State Endangered (animals)
- ST - State Threatened (animals)
- SC - Of Concern, State (animals)
- SL - Of Concern, State (plants)
- SX - State Extirpated
- CU - Candidate (Federal review)
- UN - Undetermined



S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY:	COUNTY:	AQUIFER:	SCWRC:
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: City of Hartsville?	COUNTY:	AQUIFER:	SCWRC: DAR--z02
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well tab; T=64DC:Layne-Atlantic; 410.2 Flow 1/4/55;	LOCATION:		
COMPANY: Dovesville Side Camp	COUNTY:	AQUIFER:	SCWRC: DAR--z03
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well tab;	LOCATION: Darlington		
COMPANY: Mr. Murray Kirven	COUNTY:	AQUIFER:	SCWRC: DAR--z04
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well tab; DC:Boyd Johnson;	LOCATION: Hartsville		
COMPANY: Mr. J.A. Rogers	COUNTY:	AQUIFER:	SCWRC: DAR--z05
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well tab; Flows 1955; T=63.5;	LOCATION: Hartsville, Rt. 4		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Mr. D.J. Jones/2mi	COUNTY:	AQUIFER:	SCWRC: DAR--z06
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well tab;	LOCATION: NE SC15 Airport Serv		
COMPANY:	COUNTY:	AQUIFER:	SCWRC: DAR--z07
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Gus Randolph	COUNTY:	AQUIFER:	SCWRC: DAR--z08
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well tab; DC:Chance Pipkins;	LOCATION: Rt. 1, Lamar		
COMPANY: Mr. J.F. Howell	COUNTY:	AQUIFER:	SCWRC: DAR--z09
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well Tab; DC:Spire;	T=66	LOCATION: Rt. 1, Lamar	
COMPANY: State Ed. Finishing	COUNTY:	AQUIFER:	SCWRC: DAR--z10
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well tab; DC:Getzen; PT:57;	LOCATION: Shop, 4 mi SW, LamarH		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY:		COUNTY:		AQUIFER:		SCWRC: DAR--z11
CONTACT:	PHONE:	LONGITUDE: 78-32-95		COMP. DEPTH: 0	USE:	
ADDRESS:		LATITUDE: 33-47-95		DRILL DEPTH: 0	YIELD: 0	
		DISTANCE: 0.00 MILES UNK		ELEV: 0.00		
REMARKS:				LOCATION: #2		

COMPANY: Valcraft Division		COUNTY:		AQUIFER:		SCWRC: DAR---Z1
CONTACT:	PHONE:	LONGITUDE: 78-32-95		COMP. DEPTH: 0	USE:	
ADDRESS:		LATITUDE: 33-47-95		DRILL DEPTH: 0	YIELD: 0	
		DISTANCE: 0.00 MILES UNK		ELEV: 0.00		
REMARKS: SCWRC Well tab;	DC:Pittman Wood;	PWL:142;		LOCATION: Nuclear Corp. DAR.		

COMPANY: Int. Min. Plant		COUNTY:		AQUIFER:		SCWRC: DAR--z13
CONTACT:	PHONE:	LONGITUDE: 78-32-95		COMP. DEPTH: 0	USE:	
ADDRESS:		LATITUDE: 33-47-95		DRILL DEPTH: 0	YIELD: 0	
		DISTANCE: 0.00 MILES UNK		ELEV: 0.00		
REMARKS: DHEC;				LOCATION:		

COMPANY: Int. Min Plant		COUNTY:		AQUIFER:		SCWRC: DAR--z14
CONTACT:	PHONE:	LONGITUDE: 78-32-95		COMP. DEPTH: 0	USE:	
ADDRESS:		LATITUDE: 33-47-95		DRILL DEPTH: 0	YIELD: 0	
		DISTANCE: 0.00 MILES UNK		ELEV: 0.00		
REMARKS: DHEC;				LOCATION:		

COMPANY: Skeets Barbeque		COUNTY:		AQUIFER:		SCWRC: DAR--z15
CONTACT:	PHONE:	LONGITUDE: 78-32-95		COMP. DEPTH: 0	USE:	
ADDRESS:		LATITUDE: 33-47-95		DRILL DEPTH: 0	YIELD: 0	
		DISTANCE: 0.00 MILES UNK		ELEV: 0.00		
REMARKS: DHEC;				LOCATION: Darlington		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Redwood St. Apt.	COUNTY:	AQUIFER:	SCWRC: DAR--z16
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION:		

COMPANY: Redwood St. Apt.	COUNTY:	AQUIFER:	SCWRC: DAR--z17
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION:		

COMPANY: Hartsville Golf Club	COUNTY:	AQUIFER:	SCWRC: DAR--z18
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION:		

COMPANY: Hartsville Golf Club	COUNTY:	AQUIFER:	SCWRC: DAR--z19
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION:		

COMPANY: Howle Mobile Home	COUNTY:	AQUIFER:	SCWRC: DAR--z20
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z21
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
REMARKS: DHEC;	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	LOCATION: Park
COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z22
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
REMARKS: DHEC;	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	LOCATION: Park
COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z23
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
REMARKS: DHEC;	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	LOCATION: Park
COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z24
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
REMARKS: DHEC;	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	LOCATION: Park
COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z25
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
REMARKS: DHEC;	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	LOCATION: Park

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z26
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		

COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z27
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		

COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z28
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		

COMPANY: Pineridge Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z29
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		

COMPANY: Pineridge Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z30
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Whispering Pine	COUNTY:	AQUIFER:	SCWRC: DAR--z31
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Hartsville		

COMPANY: Lake Robinson	COUNTY:	AQUIFER:	SCWRC: DAR--z32
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: McBee		

COMPANY: Gainey Mobile Home	COUNTY:	AQUIFER:	SCWRC: DAR--z33
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park, Darlington		

COMPANY: Gainey Mobile Home	COUNTY:	AQUIFER:	SCWRC: DAR--z34
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park, Darlington		

COMPANY: Lakeside Mobile Home	COUNTY:	AQUIFER:	SCWRC: DAR--z35
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park, Rt. 2, McBee		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Plantation Park	COUNTY:	AQUIFER:	SCWRC: DAR--z36
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Rt. 1, Lamar		

COMPANY: Plantation Park	COUNTY:	AQUIFER:	SCWRC: DAR--z37
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC:	LOCATION: Rt. 1, Lamar		

COMPANY: Russell Rd. Mobile	COUNTY:	AQUIFER:	SCWRC: DAR--z38
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Home Pk., Hartsville		

COMPANY: Russell Rd. Mobile	COUNTY:	AQUIFER:	SCWRC: DAR--z39
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Home Pk., Hartsville		

COMPANY: Midway Mobile Home	COUNTY:	AQUIFER:	SCWRC: DAR--z40
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park, Rt. 2, McBee		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.



S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Midway Mobile Home	COUNTY:	AQUIFER:	SCWRC: DAR--z41
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park, Rt. 2, McBee		

COMPANY: Airport Trailer Park	COUNTY:	AQUIFER:	SCWRC: DAR--z42
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Hartsville		

COMPANY: Shady Pines Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z43
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park, Hartsville		

COMPANY: Northcutt's Mobile	COUNTY:	AQUIFER:	SCWRC: DAR--z44
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Home Pk., Hartsville		

COMPANY: Stanley Mobile Home	COUNTY:	AQUIFER:	SCWRC: DAR--z45
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park, Darlington		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Kissiah Trailer Park	COUNTY:	AQUIFER:	SCWRC: DAR--z46
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Rt. 5, Hartsville		

COMPANY: Kissiah Trailer Park	COUNTY:	AQUIFER:	SCWRC: DAR--z47
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Rt. 5, Hartsville		

COMPANY: I-20 Exxon Station	COUNTY:	AQUIFER:	SCWRC: DAR--z48
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Lamar		

COMPANY: Emmanuel Baptist	COUNTY:	AQUIFER:	SCWRC: DAR--z49
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Rt. 1, Hartsville		

COMPANY: Emmanuel Baptist	COUNTY:	AQUIFER:	SCWRC: DAR--z50
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Rt. 1, Hartsville		

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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
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COMPANY: Carmed. Lounge	COUNTY:	AQUIFER:	SCWRC: DAR--501
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Darlington		

COMPANY: Darlington Co. Water	COUNTY:	AQUIFER:	SCWRC: DAR--z52
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS:	LOCATION: & Sewer Auth. #4		

COMPANY: Pee Dee Exp. Station	COUNTY:	AQUIFER:	SCWRC: DAR--z51
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DC:Demco ltd.; SC:1.5 gpf;	LOCATION:		

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 02Q--e06
CONTACT: Paul Drews PHONE:	LONGITUDE: 78-39-41	COMP. DEPTH: 0	USE:
ADDRESS: 507 28th Avenue North	LATITUDE: 33-49-52	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 2.88 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION: SURF GOLF & BEACH CL		

COMPANY: ResortMaster, Inc.	COUNTY:	AQUIFER: Shallow	SCWRC: 02Q--r03
CONTACT: AL Wall PHONE: 249-3997	LONGITUDE: 78-37-48	COMP. DEPTH: 75	USE: GC
ADDRESS: P.O. Box 300	LATITUDE: 33-52-03	DRILL DEPTH: 75	YIELD: 83
N. Myrtle Beach, SC 29597	DISTANCE: 3.32 MILES ENE	ELEV: 0.00	
REMARKS: Eastport Country Club; 5 miles SW of Little River.	LOCATION: 200' SE of 10th hole		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: U.S.G. Survey COUNTY: AQUIFER: SCWRC: 02R--a06  
CONTACT: Paul Drews PHONE: LONGITUDE: 78-39-41 COMP. DEPTH: 0 USE:  
ADDRESS: 507 28th Avenue North LATITUDE: 33-49-52 DRILL DEPTH: 0 YIELD: 0  
Myrtle Beach,, DISTANCE: 2.88 MILES SSE ELEV: 0.00  
REMARKS: DC:R. MCCracken; LOCATION:

COMPANY: C.W. Vereen COUNTY: AQUIFER: SCWRC: 02Q--e01  
CONTACT: PHONE: LONGITUDE: 78-39-26 COMP. DEPTH: 348 USE:  
ADDRESS: Route Box 228 LATITUDE: 33-54-23 DRILL DEPTH: 348 YIELD: -1  
N. Myrtle Beach, SC DISTANCE: 3.25 MILES NNE ELEV: 40.00  
REMARKS: Water has a rusting effect. Date completed 1975. N. Stanley. LOCATION: C. W. Vereen

COMPANY: Walter P. Hawks COUNTY: AQUIFER: SCWRC: 02Q--106  
CONTACT: PHONE: LONGITUDE: 78-36-58 COMP. DEPTH: 60 USE: DO  
ADDRESS: Brooksville Road LATITUDE: 33-52-43 DRILL DEPTH: 60 YIELD: 10  
Little River,, SC DISTANCE: 4.20 MILES ENE ELEV: 40.00  
REMARKS: Hawks says there is plenty of water @ 60; iron stains. LOCATION: Brooksville Road

COMPANY: Town of Little River COUNTY: AQUIFER: SCWRC: 02Q--m03  
CONTACT: PHONE: LONGITUDE: 78-37-02 COMP. DEPTH: 692 USE: WS  
ADDRESS: c/o Little Town Hall LATITUDE: 33-52-33 DRILL DEPTH: 692 YIELD: 180  
Little River,, SC DISTANCE: 4.10 MILES ENE ELEV: 40.00  
REMARKS: Well now abandoned, sand problems & highCl-1. Fed. Obs. well LOCATION: Town of Little River

COMPANY: S & F of MB Inc. COUNTY: AQUIFER: Shallow SCWRC: 02Q--m04  
CONTACT: Kurt Driesbaugh PHONE: 803-249-1025 LONGITUDE: 78-37-18 COMP. DEPTH: 15 USE: GC  
ADDRESS: P.O. Box 680 LATITUDE: 33-52-28 DRILL DEPTH: 15 YIELD: 600  
Little River, SC 29566 DISTANCE: 3.83 MILES ENE ELEV: 0.00  
REMARKS: No data on construction of ponds; dba Cypress Bay GC. LOCATION: Cypress Bay GC bet. 7 & 8th H.

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
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Date: 12/16/93

## S.C. DEPARTMENT OF HEALTH &amp; ENVIRONMENTAL CONTROL

## BUREAU OF SOLID &amp; HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Eastport Golf Club	COUNTY:	AQUIFER: Peedee	SCWRC: 02Q--m05
CONTACT: Mark Rohdenburg	PHONE: 249-3997	LONGITUDE: 78-37-41	COMP. DEPTH: 73
ADDRESS: P.O. Box 300		LATITUDE: 33-52-08	DRILL DEPTH: 200
N. Myrtle Beach, SC 29597		DISTANCE: 3.43 MILES ENE	ELEV: 38.00
REMARKS: Well at 11th hole.		LOCATION: 5 miles East of Little River	

COMPANY: Van Smith Concrete	COUNTY:	AQUIFER:	SCWRC: 02Q--n04
CONTACT:	PHONE:	LONGITUDE: 78-38-22	COMP. DEPTH: 343
ADDRESS:		LATITUDE: 33-52-04	DRILL DEPTH: 343
Little River,, SC		DISTANCE: 2.77 MILES ENE	ELEV: 25.00
REMARKS:		LOCATION: Little River	

COMPANY: Blythe Construction	COUNTY:	AQUIFER:	SCWRC: 02Q--n05
CONTACT: Howard Hudson	PHONE:	LONGITUDE: 78-38-16	COMP. DEPTH: 191
ADDRESS: 17 Eagle Way		LATITUDE: 33-52-11	DRILL DEPTH: 191
N. Myrtle Beach, SC 29582		DISTANCE: 2.87 MILES ENE	ELEV: 50.00
REMARKS: Not much info. use as an obs. well on Piezo survey.		LOCATION: 17 Eagle Way	

COMPANY: Cherry Grove Golf Co	COUNTY:	AQUIFER: Pee Dee	SCWRC: 02Q--n06
CONTACT: Arthur Morgan	PHONE: 399-4343	LONGITUDE: 78-38-56	COMP. DEPTH: 125
ADDRESS: P.O. Box 746		LATITUDE: 33-52-42	DRILL DEPTH: 125
North Myrtle Be, SC 29582		DISTANCE: 2.37 MILES ENE	ELEV: 0.00
REMARKS: Domestic well, golf course.		LOCATION: 200 yds E. of tee 5 (house)	

COMPANY: Caro-Strand Corp.	COUNTY:	AQUIFER: Black Creek	SCWRC: 02Q--o01
CONTACT: Keith Floyd	PHONE: 249-2026	LONGITUDE: 78-39-35	COMP. DEPTH: 235
ADDRESS: P.O. Box 240		LATITUDE: 33-52-04	DRILL DEPTH: 235
North Myrtle Be, SC 29597		DISTANCE: 1.60 MILES ENE	ELEV: 40.00
REMARKS: This is their main supply well; date completed 1972.		LOCATION: .3 miles E. of Hwy 9	

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.

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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Caro-Strand Corp. COUNTY: AQUIFER: Black Creek SCWRC: 02Q--o02  
CONTACT: Keith Floyd PHONE: 249-2026 LONGITUDE: 78-39-37 COMP. DEPTH: 175 USE: GC  
ADDRESS: P.O. Box 240 LATITUDE: 33-52-28 DRILL DEPTH: 188 YIELD: 419  
North Myrtle Be, SC 29597 DISTANCE: 1.66 MILES ENE ELEV: 40.00  
REMARKS: Well only pumps 5-10gpm; date completed 1981. LOCATION: Hwy. 9 entrance to Bay Tree GP

COMPANY: Caro-Strand Golf Cor COUNTY: AQUIFER: Black Creek SCWRC: 02Q--o03  
CONTACT: Keith Floyd PHONE: 249-1487 LONGITUDE: 78-39-38 COMP. DEPTH: 341 USE: WS  
ADDRESS: Highway 9 N. LATITUDE: 33-52-20 DRILL DEPTH: 341 YIELD: 15  
N. Myrtle Beach, SC 29597 DISTANCE: 1.60 MILES ENE ELEV: 40.00  
REMARKS: Well only supplies club house and Pro-shop. LOCATION: Bay Tree Golf Plantation

COMPANY: Bay Tree Golf Plant. COUNTY: AQUIFER: Black Creek SCWRC: 02Q--o04  
CONTACT: PHONE: 249-1487 LONGITUDE: 78-39-38 COMP. DEPTH: 166 USE: AB  
ADDRESS: Highway 9 N. LATITUDE: 33-52-20 DRILL DEPTH: 166 YIELD: -1  
N. Myrtle Beach, SC DISTANCE: 1.60 MILES ENE ELEV: 40.00  
REMARKS: Field located well; Owners unaware of existence. 1972 ? LOCATION: Bay Tree Golf Plantation

COMPANY: State of S.C. COUNTY: AQUIFER: Black Creek SCWRC: 02Q--o05  
CONTACT: PHONE: LONGITUDE: 78-39-25 COMP. DEPTH: 354 USE: OB  
ADDRESS: 221 Main Street LATITUDE: 33-52-47 DRILL DEPTH: 768 YIELD: 50  
Conway,, SC DISTANCE: 1.98 MILES ENE ELEV: 40.00  
REMARKS: Drilled well for obs purposes only; T's are abt 3500-4000. LOCATION: Eagle Nest

COMPANY: Little River W&S Co. COUNTY: AQUIFER: Black Creek SCWRC: 02Q--o06  
CONTACT: George Adams PHONE: 249-4025 LONGITUDE: 78-39-25 COMP. DEPTH: 317 USE: WS  
ADDRESS: P.O. Box 68 LATITUDE: 33-52-47 DRILL DEPTH: 317 YIELD: 210  
Little River, SC 29566 DISTANCE: 1.98 MILES ENE ELEV: 25.00  
REMARKS: Chemical analysis shown is from upper screens. LOCATION: NE of Hwy 90 on Golf Avenue

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Little River W&S Co. COUNTY: AQUIFER: Black Creek SCWRC: 02Q--o07  
CONTACT: George Adams PHONE: 249-1260 LONGITUDE: 78-39-13 COMP. DEPTH: 363 USE: WS  
ADDRESS: P.O. Box 68 LATITUDE: 33-52-32 DRILL DEPTH: 363 YIELD: 125  
Little River, SC 29566 DISTANCE: 2.05 MILES ENE ELEV: 20.00  
REMARKS: Did not run logs on this well. Well was put in on 40ft.frobs LOCATION: NE highway 90 on Golf Avenue

COMPANY: Town of Little River COUNTY: AQUIFER: Shallow SCWRC: 02Q--o08  
CONTACT: PHONE: LONGITUDE: 78-39-13 COMP. DEPTH: 129 USE: OB  
ADDRESS: 221 Main Street LATITUDE: 33-52-32 DRILL DEPTH: 130 YIELD: -1  
Conway,, SC 29526 DISTANCE: 2.05 MILES ENE ELEV: 20.00  
REMARKS: Drilled for observation purposes only. At Eagle Nest. LOCATION: Town of Little River

COMPANY: Cherry Grove Golf Co COUNTY: AQUIFER: Pee Dee SCWRC: 02Q--o09  
CONTACT: Arthur Morgan PHONE: 399-4343 LONGITUDE: 78-39-03 COMP. DEPTH: 115 USE: GC  
ADDRESS: P.O. Box 746 LATITUDE: 33-52-38 DRILL DEPTH: 115 YIELD: 255  
North Myrtle Be, SC 29582 DISTANCE: 2.24 MILES ENE ELEV: 25.00  
REMARKS: Date completed was 1973. LOCATION: Near maintenance shed

COMPANY: Cherry Grove Golf Co COUNTY: AQUIFER: Tertiary SCWRC: 02Q--o10  
CONTACT: Arthur Morgan PHONE: 249-1449 LONGITUDE: 78-38-58 COMP. DEPTH: 96 USE: GC  
ADDRESS: P.O. Box 3165 LATITUDE: 33-52-28 DRILL DEPTH: 96 YIELD: -1  
N. Myrtle Beach, SC 29582 DISTANCE: 2.26 MILES ENE ELEV: 40.00  
REMARKS: Have very little reliable data on this well. LOCATION: Eagle Nest Golf Course

COMPANY: Caro-Strand Corp. COUNTY: AQUIFER: Shallow SCWRC: 02Q--o11  
CONTACT: Keith Floyd PHONE: 249-2026 LONGITUDE: 78-39-36 COMP. DEPTH: 12 USE: GC  
ADDRESS: P.O. Box 240 LATITUDE: 33-52-29 DRILL DEPTH: 0 YIELD: 60  
North Myrtle Be, SC 29597 DISTANCE: 1.68 MILES ENE ELEV: 35.00  
REMARKS: Bay Tree Golf Plantation. LOCATION: 4 mls N. Hwy 9 & mainten. shop

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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
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COMPANY: Caro-Strand Corp.	COUNTY:	AQUIFER: Black Creek/PD	SCWRC: 02Q--o12
CONTACT: Keith Floyd	PHONE: 249-2026	LONGITUDE: 78-39-38	COMP. DEPTH: 225
ADDRESS: P.O. Box 240		LATITUDE: 33-52-21	DRILL DEPTH: 225
N. Myrtle Beach, SC 29597		DISTANCE: 1.60 MILES ENE	ELEV: 0.00
REMARKS:		LOCATION: Route 2, Highway 9	YIELD: 125

COMPANY: Cherry Grove Golf Co	COUNTY:	AQUIFER: Shallow	SCWRC: 02Q--o13
CONTACT: Arthur Morgan	PHONE: 399-4343	LONGITUDE: 78-39-03	COMP. DEPTH: 15
ADDRESS: P.O. Box 746		LATITUDE: 33-52-37	DRILL DEPTH: 0
North Myrtle Be, SC 29582		DISTANCE: 2.23 MILES ENE	ELEV: 0.00
REMARKS: Eagle Nest Golf Course.		LOCATION: Behind maintenance shed	YIELD: 1000

COMPANY: Little River W&S Co.	COUNTY:	AQUIFER: Black Creek	SCWRC: 02Q--p01
CONTACT: George Adams	PHONE: 249-4025	LONGITUDE: 78-39-38	COMP. DEPTH: 500
ADDRESS: P.O. Box 68		LATITUDE: 33-51-56	DRILL DEPTH: 500
Little River, SC 29566		DISTANCE: 1.56 MILES ESE	ELEV: 40.00
REMARKS: Well purchased from Bay T. Golf P. By Little R. in '79 or 80		LOCATION: Near Nixon's Crossroads	YIELD: 250

COMPANY: Dr. N.F. Nixon, Jr.	COUNTY:	AQUIFER: Black Creek	SCWRC: 02Q--p05
CONTACT:	PHONE: 249-2620	LONGITUDE: 78-39-27	COMP. DEPTH: 350
ADDRESS: Highway 9		LATITUDE: 33-51-23	DRILL DEPTH: 600
Little River,, SC		DISTANCE: 1.87 MILES ESE	ELEV: 25.00
REMARKS: Very little infor. about well; person who had it put in;died		LOCATION: Cherry Grove Beach	YIELD: -1

COMPANY: Robert Frost	COUNTY:	AQUIFER:	SCWRC: 02Q--p06
CONTACT:	PHONE:	LONGITUDE: 78-39-01	COMP. DEPTH: 66
ADDRESS:		LATITUDE: 33-51-45	DRILL DEPTH: 66
Little River,, SC		DISTANCE: 2.16 MILES ESE	ELEV: 20.00
REMARKS: Ph = 9.3 Cl = 15 ms/l sp. Conductance 290. SWL 20.		LOCATION: Little River	YIELD: -1

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COMPANY: Waterford Invest. Co	COUNTY:	AQUIFER:	SCWRC: 02Q--p07
CONTACT: PHONE: 249-5488	LONGITUDE: 78-39-08	COMP. DEPTH: 124	USE: IR
ADDRESS: P.O. Box 768	LATITUDE: 33-51-54	DRILL DEPTH: 124	YIELD: 60
N. Myrtle Beach, SC 29597	DISTANCE: 2.04 MILES ESE	ELEV: 0.00	
REMARKS:	LOCATION: Little River Inn		

COMPANY: Cedar Creek Coquina	COUNTY:	AQUIFER:	SCWRC: 02Q--q01
CONTACT: PHONE:	LONGITUDE: 78-38-24	COMP. DEPTH: 40	USE:
ADDRESS: Little River,, SC	LATITUDE: 33-51-50	DRILL DEPTH: 40	YIELD: -1
	DISTANCE: 2.74 MILES ESE	ELEV: 20.00	
REMARKS: Water quality was indicative of shallow ground wt. fr. area.	LOCATION: Cedar Creek Coquina Mine		

COMPANY: Mrs. Sue Holmes	COUNTY:	AQUIFER: Tertiary	SCWRC: 02Q--r01
CONTACT: PHONE:	LONGITUDE: 78-37-58	COMP. DEPTH: 60	USE: DO
ADDRESS: c/o Little River Post Of.	LATITUDE: 33-51-59	DRILL DEPTH: 60	YIELD: -1
Little River,, SC	DISTANCE: 3.15 MILES ESE	ELEV: 20.00	
REMARKS: Iron stains are bad Owner says water is hard. Iron Bacteria.	LOCATION: Little River Post Office		

COMPANY: Riverside Marine Cam	COUNTY:	AQUIFER: Tertiary	SCWRC: 02Q--r02
CONTACT: PHONE: 249-1742	LONGITUDE: 78-37-10	COMP. DEPTH: 60	USE: WS
ADDRESS: Little River Neck Road	LATITUDE: 33-51-45	DRILL DEPTH: 60	YIELD: -1
Cherry Grove B., SC	DISTANCE: 3.93 MILES ESE	ELEV: 20.00	
REMARKS: Shallow Well.	LOCATION: Cherry Grove Beach		

COMPANY: Eastport Golf Club	COUNTY:	AQUIFER: Peedee	SCWRC: 02Q--m06
CONTACT: Mark Rohdenburg PHONE: 249-3997	LONGITUDE: 78-37-48	COMP. DEPTH: 75	USE: GC
ADDRESS: P.O. Box 300	LATITUDE: 33-52-03	DRILL DEPTH: 75	YIELD: 83
N. Myrtle Beach, SC 29597	DISTANCE: 3.32 MILES ENE	ELEV: 0.00	
REMARKS: Eastport Country Club; 5 miles SW of Little River.	LOCATION: 200' SE of 10th hole		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Eastport Golf Club	COUNTY:	AQUIFER: Shallow	SCWRC: 02Q--r05
CONTACT: Mark Rohdenburg	PHONE: 249-3997	LONGITUDE: 78-37-33	COMP. DEPTH: 43
ADDRESS: P.O. Box 300		LATITUDE: 33-51-53	DRILL DEPTH: 80
N. Myrtle Beach, SC 29597		DISTANCE: 3.56 MILES ESE	ELEV: 0.00
REMARKS:		LOCATION: 50' NW of 13th tee	

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 02R--d01
CONTACT: Paul Drews	PHONE:	LONGITUDE: 78-38-34	COMP. DEPTH: 100
ADDRESS: 507 28th Avenue North		LATITUDE: 33-49-39	DRILL DEPTH: 100
Myrtle Beach,, SC 29577		DISTANCE: 3.73 MILES SSE	ELEV: 20.00
REMARKS: Near 59th Avenue North and Nixon Street.		LOCATION: Cherry Grove Water Tank Site	

COMPANY: Hen Curley	COUNTY:	AQUIFER:	SCWRC: 02Q--x02
CONTACT:	PHONE:	LONGITUDE: 78-38-54	COMP. DEPTH: 38
ADDRESS:		LATITUDE: 33-50-31	DRILL DEPTH: 38
N. Myrtle Beach, SC		DISTANCE: 2.83 MILES ESE	ELEV: 20.00
REMARKS: Cherry Grove; date completed 1967; very little iron.		LOCATION: Sea Mountain Highway	

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 02Q--x03
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-38-43	COMP. DEPTH: 400
ADDRESS: 1015 2nd Avenue S.		LATITUDE: 33-50-22	DRILL DEPTH: 454
North Myrtle Be, SC 29582		DISTANCE: 3.07 MILES ESE	ELEV: 17.00
REMARKS: Well name is also Donnaburger.		LOCATION: 3,600' E. hwy 17 & Sea Mt. hwy	

COMPANY: Robbers Roost Golf C	COUNTY:	AQUIFER: Pee Dee	SCWRC: 02Q--y01
CONTACT: William Burris	PHONE: 249-2085	LONGITUDE: 78-39-23	COMP. DEPTH: 200
ADDRESS: P.O. Box 68		LATITUDE: 33-50-30	DRILL DEPTH: 200
North Myrtle Be, SC 29582		DISTANCE: 2.49 MILES ESE	ELEV: 20.00
REMARKS: Golf Course Irrigation.		LOCATION: 500 SE hwy 17 & Robbers RGC	

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Ocean Drive Ice Co.	COUNTY:	AQUIFER: Black Creek	SCWRC: 02Q--y02
CONTACT: PHONE: 249-1532	LONGITUDE: 78-39-57	COMP. DEPTH: 500	USE: IN
ADDRESS: Highway 17	LATITUDE: 33-50-26	DRILL DEPTH: 500	YIELD: -1
N. Myrtle Beach, SC	DISTANCE: 2.19 MILES SSE	ELEV: 20.00	
REMARKS:	LOCATION: Hwy. 17 Ocean Drive Beach		

COMPANY: Tony's Restaurant	COUNTY:	AQUIFER:	SCWRC: 02Q--y03
CONTACT: Jack Springs PHONE:	LONGITUDE: 78-39-42	COMP. DEPTH: 400	USE: IN
ADDRESS: Highway 17	LATITUDE: 33-50-38	DRILL DEPTH: 400	YIELD: -1
N. Myrtle Beach, SC	DISTANCE: 2.16 MILES SSE	ELEV: 20.00	
REMARKS: Restaurant serves 200 per day. Closed Nov.- Jan. Open 5pm10p	LOCATION: Intersect. of 17 Bus & 17 Byp.		

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 02Q--y04
CONTACT: Ralph Norris PHONE: 249-0222	LONGITUDE: 78-39-08	COMP. DEPTH: 607	USE: WS
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-50-56	DRILL DEPTH: 607	YIELD: 500
North Myrtle Be, SC 29582	DISTANCE: 2.37 MILES ESE	ELEV: 20.00	
REMARKS: PWL 133' @ 508 gpm.	LOCATION: 700' SE hwy 236 & Old CherryRd		

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Pee Dee	SCWRC: 02Q--y05
CONTACT: Paul Drews PHONE: 626-3793	LONGITUDE: 78-39-08	COMP. DEPTH: 45	USE: OB
ADDRESS: 507 28th Avenue North	LATITUDE: 33-50-55	DRILL DEPTH: 45	YIELD: -1
Myrtle Beach,, SC 29577	DISTANCE: 2.38 MILES ESE	ELEV: 20.00	
REMARKS: Sea Mountain #1 (Well name).	LOCATION: Myrtle Beach		

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Pee Dee	SCWRC: 02Q--y06
CONTACT: Paul Drews PHONE: 626-3793	LONGITUDE: 78-39-08	COMP. DEPTH: 120	USE: OB
ADDRESS: 507 28th Avenue North	LATITUDE: 33-50-55	DRILL DEPTH: 120	YIELD: -1
Myrtle Beach,, SC 29577	DISTANCE: 2.38 MILES ESE	ELEV: 20.00	
REMARKS: Sea Mountain #2 (Well name).	LOCATION: Myrtle Beach		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Pee Dee	SCWRC: 02Q--y07
CONTACT: Paul Drews	PHONE: 626-3793	LONGITUDE: 78-39-08	COMP. DEPTH: 150
ADDRESS: 507 28th Avenue North	LATITUDE: 33-50-55	DRILL DEPTH: 151	USE: OB
Myrtle Beach,, SC 29577	DISTANCE: 2.38 MILES ESE	ELEV: 20.00	YIELD: -1
REMARKS: Sea Mountain #3 (Well name).	LOCATION: Myrtle Beach		

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Pee Dee	SCWRC: 02Q--y08
CONTACT: Paul Drews	PHONE: 626-3793	LONGITUDE: 78-39-08	COMP. DEPTH: 30
ADDRESS: 507 28th Avenue North	LATITUDE: 33-50-55	DRILL DEPTH: 30	USE: OB
Myrtle Beach,, SC 29577	DISTANCE: 2.38 MILES ESE	ELEV: 20.00	YIELD: -1
REMARKS: Sea Mountain #4 (well name).	LOCATION: Myrtle Beach		

COMPANY: Surf Golf & Beach Cl	COUNTY:	AQUIFER: Shallow	SCWRC: 02Q--y09
CONTACT: Dick Hutto	PHONE: 249-2024	LONGITUDE: 78-39-04	COMP. DEPTH: 15
ADDRESS: P.O. Box 47	LATITUDE: 33-50-12	DRILL DEPTH: 15	USE: GC
North Myrtle Be, SC 29597	DISTANCE: 2.95 MILES ESE	ELEV: 0.00	YIELD: 400
REMARKS:	LOCATION: Betwn 13th and 14th greens		

COMPANY: Surf Golf & Beach Cl	COUNTY:	AQUIFER: Pee Dee	SCWRC: 02Q--y10
CONTACT: Dick Hutto	PHONE: 249-2024	LONGITUDE: 78-39-05	COMP. DEPTH: 128
ADDRESS: P.O. Box 47	LATITUDE: 33-50-11	DRILL DEPTH: 133	USE: GC
North Myrtle Be, SC 29597	DISTANCE: 2.95 MILES SSE	ELEV: 0.00	YIELD: 500
REMARKS:	LOCATION: Betwn 13th and 14th Green		

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 02R--a05
CONTACT: Paul Drews	PHONE:	LONGITUDE: 78-39-38	COMP. DEPTH: 0
ADDRESS: 507 28th Avenue North	LATITUDE: 33-49-53	DRILL DEPTH: 0	USE:
Myrtle Beach,,	DISTANCE: 2.89 MILES SSE	ELEV: 0.00	YIELD: -1
REMARKS: DC:R. MCCracken;	LOCATION:		

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LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: City of N. Myrtle B. COUNTY: AQUIFER: Black Creek SCWRC: 02R--d02  
CONTACT: Ralph Norris PHONE: 249-0222 LONGITUDE: 78-38-17 COMP. DEPTH: 500 USE: WS  
ADDRESS: 1015 2nd Avenue S. LATITUDE: 33-49-58 DRILL DEPTH: 500 YIELD: 350  
N. Myrtle Beach, SC 29582 DISTANCE: 3.69 MILES ESE ELEV: 10.00  
REMARKS: Provides a source which may be utilized if emergency arises. LOCATION: NE of 31st Ave. N. & Duffy St.

COMPANY: City of N. Myrtle B. COUNTY: AQUIFER: SCWRC: 02R--d03  
CONTACT: Ralph Norris PHONE: 249-0222 LONGITUDE: 78-38-22 COMP. DEPTH: 71 USE: OB  
ADDRESS: 1015 2nd Avenue S. LATITUDE: 33-49-58 DRILL DEPTH: 170 YIELD: -1  
N. Myrtle Beach, SC 29582 DISTANCE: 3.62 MILES ESE ELEV: 10.00  
REMARKS: Test hole. Cherry Grove. LOCATION: 35' from NW corner of 31st Ave

COMPANY: City of N. Myrtle B. COUNTY: AQUIFER: SCWRC: 02R--d04  
CONTACT: Ralph Norris PHONE: 249-0222 LONGITUDE: 78-38-22 COMP. DEPTH: 160 USE: OB  
ADDRESS: 1015 2nd Avenue S. LATITUDE: 33-49-58 DRILL DEPTH: 160 YIELD: -1  
N. Myrtle Beach, SC 29582 DISTANCE: 3.62 MILES ESE ELEV: 0.00  
REMARKS: No evidence in file to suggest that well was ever drilled. LOCATION: 35' W of well 02R--d03

COMPANY: City of N. Myrtle B. COUNTY: AQUIFER: SCWRC: 02R--d05  
CONTACT: Ralph Norris PHONE: 249-0222 LONGITUDE: 78-38-22 COMP. DEPTH: 160 USE: OB  
ADDRESS: 1015 2nd Avenue S. LATITUDE: 33-49-58 DRILL DEPTH: 160 YIELD: -1  
N. Myrtle Beach, SC 29582 DISTANCE: 3.62 MILES ESE ELEV: 0.00  
REMARKS: Check to see if well was ever drilled. LOCATION: 100' W. of well 02R--d03

COMPANY: Mr. Jerome Walker COUNTY: AQUIFER: SCWRC: 02R--e01  
CONTACT: PHONE: 249-2266 LONGITUDE: 78-39-40 COMP. DEPTH: 126 USE: DO  
ADDRESS: 11th Avenue N. Tilghman B LATITUDE: 33-49-37 DRILL DEPTH: 291 YIELD: -1  
N. Myrtle Beach, SC DISTANCE: 3.13 MILES SSE ELEV: 20.00  
REMARKS: Good quality Peedee water. LOCATION: N. Tilghman Beach

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Surf Golf & Beach Cl	COUNTY:	AQUIFER: Shallow	SCWRC: 02R--e02
CONTACT: Dick Hutto	PHONE: 249-2024	LONGITUDE: 78-39-40	COMP. DEPTH: 15
ADDRESS: P.O. Box 47		LATITUDE: 33-49-54	DRILL DEPTH: 15
North Myrtle Be, SC 29597		DISTANCE: 2.85 MILES SSE	ELEV: 0.00
REMARKS: Golf Course Irrigation.		LOCATION: Betwn 3rd and 4th Greens	

COMPANY: Surf Golf & Beach Cl	COUNTY:	AQUIFER: Shallow	SCWRC: 02R--e03
CONTACT: Dick Hutto	PHONE: 249-2024	LONGITUDE: 78-39-11	COMP. DEPTH: 15
ADDRESS: P.O. Box 47		LATITUDE: 33-49-49	DRILL DEPTH: 15
North Myrtle Be, SC 29597		DISTANCE: 3.20 MILES SSE	ELEV: 0.00
REMARKS:		LOCATION: Betwn 18th green & Club House	

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 02R--e04
CONTACT: Paul Drews	PHONE:	LONGITUDE: 78-39-38	COMP. DEPTH: 0
ADDRESS: 507 28th Avenue North		LATITUDE: 33-49-53	DRILL DEPTH: 0
Myrtle Beach,,		DISTANCE: 2.89 MILES SSE	ELEV: 0.00
REMARKS:		LOCATION: Surf Golf & Beach Cl	

COMPANY: Surf Golf & Beach Cl	COUNTY:	AQUIFER: Pee Dee	SCWRC: 02R--e07
CONTACT: Dick Hutto	PHONE: 249-2024	LONGITUDE: 78-39-38	COMP. DEPTH: 145
ADDRESS: P.O. Box 47		LATITUDE: 33-49-53	DRILL DEPTH: 104
North Myrtle Be, SC 29597		DISTANCE: 2.89 MILES SSE	ELEV: 0.00
REMARKS: Near the Cypress pond; PWL 32.28.		LOCATION: 100 West of #4 fairway	

COMPANY: Little River W&S Co.	COUNTY:	AQUIFER:	SCWRC: 03Q--b01
CONTACT: George Adams	PHONE: 249-4025	LONGITUDE: 78-41-59	COMP. DEPTH: 494
ADDRESS: P.O. Box 68		LATITUDE: 33-54-08	DRILL DEPTH: 494
Little River,, SC 29566		DISTANCE: 2.55 MILES NNW	ELEV: 0.00
REMARKS:		LOCATION: Little River Water & Sewage Co	

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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Little River W&S Co.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03Q--b02
CONTACT: George Adams	PHONE: 249-4025	LONGITUDE: 78-41-58	COMP. DEPTH: 380
ADDRESS: P.O. Box 68		LATITUDE: 33-54-08	DRILL DEPTH: 380
Little River, SC 29566		DISTANCE: 2.55 MILES NNW	ELEV: 25.00
REMARKS:		LOCATION: E. Hwy 9 in Rum Bluff Subdvn.	YIELD: 350
			USE: WS

COMPANY: Mr. Jimmy Cox	COUNTY:	AQUIFER: Black Creek	SCWRC: 03Q--c01
CONTACT:	PHONE:	LONGITUDE: 78-42-55	COMP. DEPTH: 210
ADDRESS: Route 1		LATITUDE: 33-54-46	DRILL DEPTH: 210
Longs,, SC		DISTANCE: 3.56 MILES NNW	ELEV: 10.00
REMARKS: Rest rooms and water fountain.		LOCATION: Cox's Store	YIELD: -1
			USE: WS

COMPANY: Grand Strand W & S A	COUNTY:	AQUIFER: Black Creek	SCWRC: 03Q--p01
CONTACT: Douglas P. Wendel	PHONE: 347-4641	LONGITUDE: 78-44-17	COMP. DEPTH: 400
ADDRESS: P.O. Box 1537		LATITUDE: 33-51-23	DRILL DEPTH: 504
Conway, SC 29526		DISTANCE: 3.00 MILES WSW	ELEV: 40.00
REMARKS: PWL 44.9.		LOCATION: .7 mile east of highway 90	YIELD: 350
			USE: WS

COMPANY: State of S.C.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03Q--r01
CONTACT:	PHONE: 248-4636	LONGITUDE: 78-42-18	COMP. DEPTH: 340
ADDRESS: 221 Main Street		LATITUDE: 33-51-02	DRILL DEPTH: 340
Conway,, SC		DISTANCE: 1.50 MILES SSW	ELEV: 40.00
REMARKS: Only for OBS & moni-toring of water level in Wampee Area.		LOCATION: Wampee Lookout Tower	YIELD: -1
			USE: OB

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03Q--u01
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-40-11	COMP. DEPTH: 600
ADDRESS: 1015 2nd Avenue South		LATITUDE: 33-50-20	DRILL DEPTH: 757
North Myrtle Be, SC 29582		DISTANCE: 2.17 MILES SSE	ELEV: 16.75
REMARKS: Vereen's Marina; PWL 103.9 @ 503 gpm.		LOCATION: 1000' W. hwy 17th & 11th Ave N	YIELD: 500
			USE: WS

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LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER:	SCWRC: 03R--a01
CONTACT: Ralph Norris	LONGITUDE: 78-40-23	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue S.	LATITUDE: 33-49-18	DRILL DEPTH: 0	YIELD: -1
N. Myrtle Beach, SC 29582	DISTANCE: 3.21 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION: N. Myrtle Beach		

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Shallow	SCWRC: 03R--a02
CONTACT: Paul Drews	LONGITUDE: 78-40-27	COMP. DEPTH: 120	USE: OB
ADDRESS: 507 28th Avenue North	LATITUDE: 33-49-19	DRILL DEPTH: 175	YIELD: -1
Myrtle Beach,, SC 29577	DISTANCE: 3.18 MILES SSE	ELEV: 0.00	
REMARKS: Test Hole.	LOCATION: Myrtle Beach		

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Pee Dee	SCWRC: 03R--a03
CONTACT: Paul Drews	LONGITUDE: 78-40-27	COMP. DEPTH: 45	USE: OB
ADDRESS: 507 28th Avenue North	LATITUDE: 33-49-19	DRILL DEPTH: 45	YIELD: -1
Myrtle Beach,, SC 29577	DISTANCE: 3.18 MILES SSE	ELEV: 0.00	
REMARKS: Test Hole 1981.	LOCATION: Myrtle Beach		

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Pee Dee	SCWRC: 03R--a04
CONTACT: Paul Drews	LONGITUDE: 78-40-27	COMP. DEPTH: 109	USE: OB
ADDRESS: 507 28th Avenue North	LATITUDE: 33-49-19	DRILL DEPTH: 120	YIELD: -1
Myrtle Beach,, SC 29577	DISTANCE: 3.18 MILES SSE	ELEV: 0.00	
REMARKS: Test Hole 1981.	LOCATION: Myrtle Beach		

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Pee Dee	SCWRC: 03R--a05
CONTACT: Paul Drews	LONGITUDE: 78-40-27	COMP. DEPTH: 108	USE: OB
ADDRESS: 507 28th Avenue North	LATITUDE: 33-49-19	DRILL DEPTH: 110	YIELD: -1
Myrtle Beach,, SC 29577	DISTANCE: 3.18 MILES SSE	ELEV: 0.00	
REMARKS: Test Hole 1981. 3R--a2 - a5 all very close to one another.	LOCATION: Myrtle Beach		

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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Gator Hole Golf Cour COUNTY: AQUIFER: Black Creek SCWRC: 03R--a06  
CONTACT: Chris Tilghman PHONE: 249-3543 LONGITUDE: 78-40-13 COMP. DEPTH: 280 USE: GC  
ADDRESS: P.O. Box 154 LATITUDE: 33-49-32 DRILL DEPTH: 280 YIELD: 300  
North Myrtle Be, SC 29582 DISTANCE: 3.00 MILES SSE ELEV: 20.00  
REMARKS: 1st open hole well to go in; will be interest. to check desi LOCATION: 600' W. Hillside Dr. & 8th Ave

COMPANY: Merlin L. Bellamy COUNTY: AQUIFER: Pee Dee SCWRC: 03R--a07  
CONTACT: PHONE: 272-5432 LONGITUDE: 78-40-24 COMP. DEPTH: 100 USE: DO  
ADDRESS: P.O. Box 272 LATITUDE: 33-49-19 DRILL DEPTH: 100 YIELD: -1  
N. Myrtle Beach, SC DISTANCE: 3.19 MILES SSE ELEV: 20.00  
REMARKS: Mr. Bellamy was afrdthat the shallowwellwould take his wt.sp LOCATION: N. Myrtle Beach

COMPANY: U.S.G. Survey COUNTY: AQUIFER: Pee Dee SCWRC: 03R--a08  
CONTACT: Paul Drews PHONE: 626-3793 LONGITUDE: 78-40-21 COMP. DEPTH: 110 USE: OB  
ADDRESS: 507 28th Avenue North LATITUDE: 33-49-27 DRILL DEPTH: 110 YIELD: -1  
Myrtle Beach,, SC 29577 DISTANCE: 3.06 MILES SSE ELEV: 0.00  
REMARKS: Test Hole. LOCATION: Myrtle Beach

COMPANY: U.S.G. Survey COUNTY: AQUIFER: SCWRC: 03R--a09  
CONTACT: Paul Drews PHONE: 626-3793 LONGITUDE: 78-45-91 COMP. DEPTH: 110 USE: OB  
ADDRESS: 507 28th Avenue North LATITUDE: 33-49-91 DRILL DEPTH: 110 YIELD: -1  
Myrtle Beach,, SC 29577 DISTANCE: 0.00 MILES UNK ELEV: 0.00  
REMARKS: Not much information in the file; test hole. LOCATION: Hillside Drive

COMPANY: U.S.G. Survey COUNTY: AQUIFER: Shallow SCWRC: 03R--a10  
CONTACT: Paul Drews PHONE: 626-3793 LONGITUDE: 78-45-91 COMP. DEPTH: 135 USE: OB  
ADDRESS: 507 28th Avenue North LATITUDE: 33-49-91 DRILL DEPTH: 135 YIELD: -1  
Myrtle Beach,, SC 29577 DISTANCE: 0.00 MILES UNK ELEV: 0.00  
REMARKS: Test Hole. LOCATION: Myrtle Beach

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 03R--a11
CONTACT: Paul Drews	LONGITUDE: 78-40-19	COMP. DEPTH: 90	USE: OB
ADDRESS: 507 28th Avenue North	LATITUDE: 33-49-21	DRILL DEPTH: 100	YIELD: -1
Myrtle Beach,, SC 29577	DISTANCE: 3.18 MILES SSE	ELEV: 10.00	
REMARKS: Test Hole.	LOCATION: Myrtle Beach		
COMPANY: Gator Hole Golf Cour	COUNTY:	AQUIFER: Shallow	SCWRC: 03R--a12
CONTACT: C. Tilghman	LONGITUDE: 78-40-12	COMP. DEPTH: 15	USE: GC
ADDRESS: P.O. Box 154	LATITUDE: 33-49-34	DRILL DEPTH: 15	YIELD: 900
North Myrtle Be, SC 29582	DISTANCE: 2.97 MILES SSE	ELEV: 0.00	
REMARKS: Pond	LOCATION: Between 7th & 8th greens		
COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--a13
CONTACT: Ralph Norris	LONGITUDE: 78-40-23	COMP. DEPTH: 627	USE: WS
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-49-18	DRILL DEPTH: 668	YIELD: 650
North Myrtle Be, SC 29582	DISTANCE: 3.21 MILES SSE	ELEV: 1.00	
REMARKS:	LOCATION: 280' NE of Main St. & hwy 525		
COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--b01
CONTACT: Ralph Norris	LONGITUDE: 78-41-06	COMP. DEPTH: 702	USE: WS
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-49-39	DRILL DEPTH: 769	YIELD: 500
North Myrtle Be, SC 29582	DISTANCE: 2.70 MILES SSE	ELEV: 20.00	
REMARKS: First Avenue and Bay Street.	LOCATION: 800' W. 1st Ave & Bay Street		
COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--b02
CONTACT: Ralph Norris	LONGITUDE: 78-41-54	COMP. DEPTH: 710	USE: WS
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-49-00	DRILL DEPTH: 750	YIELD: 500
North Myrtle Be, SC 29582	DISTANCE: 3.50 MILES SSW	ELEV: 20.00	
REMARKS:	LOCATION: 800' NW 13th Ave. S.&Belle Dr.		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: City of N. Myrtle B. COUNTY: AQUIFER: SCWRC: 03R--b03  
CONTACT: Ralph Norris PHONE: 249-0222 LONGITUDE: 78-41-23 COMP. DEPTH: 44 USE: AB  
ADDRESS: 1015 2nd Avenue S. LATITUDE: 33-49-18 DRILL DEPTH: 50 YIELD: -1  
N. Myrtle Beach, SC 29582 DISTANCE: 3.11 MILES SSW ELEV: 20.00  
REMARKS: No construction data is available on this well. LOCATION: N. Myrtle Beach

COMPANY: U.S.G. Survey COUNTY: AQUIFER: SCWRC: 03R--b04  
CONTACT: Paul Drews PHONE: 626-3793 LONGITUDE: 78-41-54 COMP. DEPTH: 100 USE: OB  
ADDRESS: 507 28th Avenue North LATITUDE: 33-49-01 DRILL DEPTH: 100 YIELD: -1  
Myrtle Beach,, SC 29577 DISTANCE: 3.49 MILES SSW ELEV: 0.00  
REMARKS: Not much information in file. Casing diameter is 2" LOCATION: N. Myrtle Beach

COMPANY: Beachwood Golf Club COUNTY: AQUIFER: SCWRC: 03R--c01  
CONTACT: H. L. Bellamy PHONE: 272-5384 LONGITUDE: 78-42-18 COMP. DEPTH: 70 USE: IR  
ADDRESS: 1520 Highway 17 South LATITUDE: 33-49-10 DRILL DEPTH: 70 YIELD: -1  
N. Myrtle Beach, SC 29582 DISTANCE: 3.41 MILES SSW ELEV: 20.00  
REMARKS: Used water frm AlWW Irr. fr. ponds clubhouse. Open hole LOCATION: Beachwood Golf Club

COMPANY: Possum Trot Golf Clu COUNTY: AQUIFER: Pee Dee SCWRC: 03R--c02  
CONTACT: Frederick Gore PHONE: 272-5341 LONGITUDE: 78-42-01 COMP. DEPTH: 135 USE: GC  
ADDRESS: P.O. Box 297 LATITUDE: 33-49-39 DRILL DEPTH: 200 YIELD: 525  
North Myrtle Be, SC 29582 DISTANCE: 2.80 MILES SSW ELEV: 20.00  
REMARKS: Previous owners had no records available on well; PWL 35. LOCATION: 2050' fr. Pos. Trot Club House

COMPANY: Possum Trot G.C. COUNTY: AQUIFER: SCWRC: 03R--c03  
CONTACT: Fred Gore PHONE: 272-5341 LONGITUDE: 78-42-01 COMP. DEPTH: 0 USE: WS  
ADDRESS: P.O. Box 297 LATITUDE: 33-49-30 DRILL DEPTH: 0 YIELD: -1  
N. Myrtle Beach, SC 29582 DISTANCE: 2.97 MILES SSW ELEV: 20.00  
REMARKS: Used for bathrooms on the golf course; Produce approx.12gpm LOCATION: N. Myrtle Beach

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Beachwood Golf Club	COUNTY:	AQUIFER:	SCWRC: 03R--c04
CONTACT: H. L. Bellamy	PHONE: 272-5384	LONGITUDE: 78-42-30	COMP. DEPTH: 130
ADDRESS: 1520 Highway 17 South		LATITUDE: 33-49-13	USE: GC
North Myrtle Be, SC 29582		DISTANCE: 3.42 MILES SSW	DRILL DEPTH: 130
REMARKS: 4" diameter in casing.		ELEV: 0.00	YIELD: 100
		LOCATION: 510' from the 6th tee.	

COMPANY: Possum Trot Golf Clu	COUNTY:	AQUIFER: Shallow	SCWRC: 03R--c05
CONTACT: Fred Gore	PHONE: 272-5341	LONGITUDE: 78-42-06	COMP. DEPTH: 15
ADDRESS: P.O. Box 297		LATITUDE: 33-49-18	USE: GC
North Myrtle Be, SC 29582		DISTANCE: 3.21 MILES SSW	DRILL DEPTH: 15
REMARKS: Pond.		ELEV: 0.00	YIELD: 525
		LOCATION: Between the 4th & 18th greens	

COMPANY: Leo Bourne	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--d01
CONTACT:	PHONE: 399-6653	LONGITUDE: 78-44-08	COMP. DEPTH: 364
ADDRESS: Highway 90		LATITUDE: 33-49-46	USE: DO
N. Myrtle Beach, SC		DISTANCE: 3.78 MILES WSW	DRILL DEPTH: 364
REMARKS:		ELEV: 20.00	YIELD: -1
		LOCATION: Wampee Section highway 90	

COMPANY: Leo Bourne	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--d02
CONTACT:	PHONE: 399-6653	LONGITUDE: 78-43-12	COMP. DEPTH: 537
ADDRESS: Highway 90		LATITUDE: 33-49-18	USE: DO
N. Myrtle Beach, SC		DISTANCE: 3.63 MILES SSW	DRILL DEPTH: 550
REMARKS: Strange odor. Pots turned black. Date completed 1965.		ELEV: 20.00	YIELD: -1
		LOCATION: Wampee section; highway 90	

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--g01
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-43-01	COMP. DEPTH: 600
ADDRESS: 1015 2nd Avenue South		LATITUDE: 33-48-55	USE: WS
North Myrtle Be, SC 29582		DISTANCE: 3.93 MILES SSW	DRILL DEPTH: 600
REMARKS: On the extension of Deer Street.		ELEV: 20.00	YIELD: 500
		LOCATION: NE of NMB Airport	

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--h01
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-42-20	COMP. DEPTH: 612
ADDRESS: 1015 2nd Avenue S.	LATITUDE: 33-48-33	DRILL DEPTH: 613	USE: WS
N. Myrtle Beach, SC 29582	DISTANCE: 4.10 MILES SSW	ELEV: 25.00	YIELD: 205
REMARKS: Used only for emergencies due to high chloride content.	LOCATION: N. Myrtle Beach		

COMPANY: Azalea Sands G.C.	COUNTY:	AQUIFER:	SCWRC: 03R--h02
CONTACT: Jay J. Rabon	PHONE: 272-6446	LONGITUDE: 78-42-48	COMP. DEPTH: 0
ADDRESS: 2100 Highway 17 North	LATITUDE: 33-48-37	DRILL DEPTH: 0	USE:
Myrtle Beach,, SC 29582	DISTANCE: 4.16 MILES SSW	ELEV: 20.00	YIELD: -1
REMARKS: Superintendent had no records, but believed it was shallow.	LOCATION: Myrtle Beach		

COMPANY: Azalea Sands G.C.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--h03
CONTACT: Joedit Rabon	PHONE: 272-6446	LONGITUDE: 78-42-43	COMP. DEPTH: 380
ADDRESS: 2100 Highway 17 North	LATITUDE: 33-48-47	DRILL DEPTH: 404	USE: GC
Myrtle Beach, SC 29582	DISTANCE: 3.96 MILES SSW	ELEV: 20.00	YIELD: 135
REMARKS: North of the Pump House.	LOCATION: Azalea Sands Golf Club		

COMPANY: Beachwood Golf Club	COUNTY:	AQUIFER: Shallow	SCWRC: 03R--h05
CONTACT: H. L. Bellamy	PHONE: 272-5384	LONGITUDE: 78-42-21	COMP. DEPTH: 130
ADDRESS: 1520 Highway 17 South	LATITUDE: 33-48-59	DRILL DEPTH: 130	USE: GC
North Myrtle Be, SC 29582	DISTANCE: 3.62 MILES SSW	ELEV: 0.00	YIELD: 100
REMARKS: POND; casing dia. 4"; Submersible.	LOCATION: Between 5th & 6th fairways		

COMPANY: Azalea Sands G.C.	COUNTY:	AQUIFER: Shallow	SCWRC: 03R--h06
CONTACT: Joedit Rabon	PHONE: 272-6446	LONGITUDE: 78-42-43	COMP. DEPTH: 15
ADDRESS: 2100 Highway 17 North	LATITUDE: 33-48-47	DRILL DEPTH: 15	USE: GC
Myrtle Beach, SC 29582	DISTANCE: 3.96 MILES SSW	ELEV: 0.00	YIELD: 800
REMARKS: POND.	LOCATION: Between 13th and 14th fairways		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 03R--h07
CONTACT: Paul Drews	PHONE: 626-3793	LONGITUDE: 78-43-00	COMP. DEPTH: 150
ADDRESS: 507 28th Avenue North		LATITUDE: 33-49-10	USE: OB
Myrtle Beach,, SC		DISTANCE: 3.67 MILES SSW	DRILL DEPTH: 150
REMARKS: Well diameter 2"			ELEV: 20.00
			YIELD: -1
			LOCATION: N. Myrtle Beach Airport

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 03R--h08
CONTACT: Paul Drews	PHONE: 626-3793	LONGITUDE: 78-43-00	COMP. DEPTH: 100
ADDRESS: 507 28th Avenue North		LATITUDE: 33-49-00	USE: OB
Myrtle Beach,, SC 29577		DISTANCE: 3.84 MILES SSW	DRILL DEPTH: 100
REMARKS: Well 2"			ELEV: 20.00
			YIELD: -1
			LOCATION: N. Myrtle Beach; Azalea GC

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 03R--h09
CONTACT: Paul Drews	PHONE: 626-3793	LONGITUDE: 78-42-20	COMP. DEPTH: 100
ADDRESS: 507 28th Avenue North		LATITUDE: 33-48-34	USE: OB
Myrtle Beach,, SC 29577		DISTANCE: 4.08 MILES SSW	DRILL DEPTH: 100
REMARKS: Test well use only.			ELEV: 20.00
			YIELD: -1
			LOCATION: N. Myrtle Beach

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 03R--h10
CONTACT: Paul Drews	PHONE: 626-3793	LONGITUDE: 78-42-07	COMP. DEPTH: 100
ADDRESS: 507 28th Avenue North		LATITUDE: 33-48-26	USE: OB
Myrtle Beach,, SC 29577		DISTANCE: 4.18 MILES SSW	DRILL DEPTH: 100
REMARKS: Well diameter 2"			ELEV: 0.00
			YIELD: -1
			LOCATION: 17th Ave. S. & Perrin Drive

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--h12
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-42-18	COMP. DEPTH: 662
ADDRESS: 1015 2nd Avenue South		LATITUDE: 33-48-34	USE: WS
North Myrtle Be, SC 29582		DISTANCE: 4.07 MILES SSW	DRILL DEPTH: 700
REMARKS: Well name #12 crescent beach.			ELEV: 0.00
			YIELD: 650
			LOCATION: 210' SE of 18th Ave. & Edge Dr

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

Date: 12/16/93

## S.C. DEPARTMENT OF HEALTH &amp; ENVIRONMENTAL CONTROL

## BUREAU OF SOLID &amp; HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: City of N. Myrtle B. COUNTY: AQUIFER: Black Creek SCWRC: 03R--i01  
 CONTACT: Ralph Norris PHONE: 249-0222 LONGITUDE: 78-41-10 COMP. DEPTH: 561 USE: WS  
 ADDRESS: 1015 2nd Avenue South LATITUDE: 33-48-59 DRILL DEPTH: 601 YIELD: 250  
 North Myrtle Be, SC 29582 DISTANCE: 3.47 MILES SSE ELEV: 25.00  
 REMARKS: Well name #4 9th Avenue & Hillside. LOCATION: 9th Avenue and Hillside NMB

COMPANY: Dunes Developmt Corp. COUNTY: AQUIFER: Pee Dee SCWRC: 02Q--y11  
 CONTACT: Victor Cashwell PHONE: 249-5481 LONGITUDE: 78-39-33 COMP. DEPTH: 160 USE: LI  
 ADDRESS: 211 N. Kings Highway LATITUDE: 33-50-19 DRILL DEPTH: 160 YIELD: 650  
 N. Myrtle Beach, SC 29582 DISTANCE: 2.53 MILES SSE ELEV: 20.00  
 REMARKS: Applied for class-a permit; did not need to. LOCATION: Fox Hollow Subdivision

COMPANY: U.S.G. Survey COUNTY: AQUIFER: SCWRC: 02R--e05  
 CONTACT: Paul Drews PHONE: 626-3793 LONGITUDE: 78-39-38 COMP. DEPTH: 154 USE: OB  
 ADDRESS: 507 28th Avenue North LATITUDE: 33-49-53 DRILL DEPTH: 154 YIELD: 656  
 Myrtle Beach,, SC DISTANCE: 2.89 MILES SSE ELEV: -1.00  
 REMARKS: PWL 21.7. LOCATION: Surf Golf & Beach Club

COMPANY: U.S.G. Survey COUNTY: AQUIFER: SCWRC: 02R--e06  
 CONTACT: Paul Drews PHONE: 626-3793 LONGITUDE: 78-39-41 COMP. DEPTH: 110 USE: OB  
 ADDRESS: 507 28th Avenue North LATITUDE: 33-49-52 DRILL DEPTH: 110 YIELD: -1  
 Myrtle Beach,, SC 29577 DISTANCE: 2.88 MILES SSE ELEV: -1.00  
 REMARKS: Well was used as obs. well for aquifer test at well 2R-e7. LOCATION: Myrtle Beach

COMPANY: Eastport Golf Club COUNTY: AQUIFER: Shallow SCWRC: 02Q--r06  
 CONTACT: Mark Rohdenburg PHONE: 249-3997 LONGITUDE: 78-37-36 COMP. DEPTH: -1 USE: GC  
 ADDRESS: P.O. Box 300 LATITUDE: 33-51-57 DRILL DEPTH: -1 YIELD: 1008  
 N. Myrtle Beach, SC 29597 DISTANCE: 3.51 MILES ESE ELEV: 15.00  
 REMARKS: LOCATION: 200' NW of 13th hole

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
 LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

Date: 12/16/93

## S.C. DEPARTMENT OF HEALTH &amp; ENVIRONMENTAL CONTROL

## BUREAU OF SOLID &amp; HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r07  
 CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-23 COMP. DEPTH: -1 USE: GC  
 ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-18 DRILL DEPTH: -1 YIELD: 65  
 North Myrtle Bc, SC 29597 DISTANCE: 3.80 MILES ESE ELEV: -1.00  
 REMARKS: LOCATION: East side of driving range.

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r08  
 CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-12 COMP. DEPTH: -1 USE: GC  
 ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-20 DRILL DEPTH: -1 YIELD: 67  
 North Myrtle Bc, SC 29597 DISTANCE: 3.97 MILES ESE ELEV: -1.00  
 REMARKS: LOCATION: EAST OF TEE #10.

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r09  
 CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-09 COMP. DEPTH: -1 USE: GC  
 ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-25 DRILL DEPTH: -1 YIELD: 63  
 North Myrtle Bc, SC 29597 DISTANCE: 4.00 MILES ESE ELEV: -1.00  
 REMARKS: LOCATION: BETWEEN TEES #10 AND #16.

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r10  
 CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-12 COMP. DEPTH: -1 USE: GC  
 ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-16 DRILL DEPTH: -1 YIELD: 43  
 North Myrtle Bc, SC 29597 DISTANCE: 3.98 MILES ESE ELEV: -1.00  
 REMARKS: LOCATION: WEST SIDE OF FAIRWAY #10.

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r11  
 CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-08 COMP. DEPTH: -1 USE: GC  
 ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-34 DRILL DEPTH: -1 YIELD: 42  
 North Myrtle Bc, SC 29597 DISTANCE: 3.99 MILES ESE ELEV: -1.00  
 REMARKS: LOCATION: BTW.FAIRWAY #16 & EAST.PROP.LN

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
 LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.



S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r12  
CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-03 COMP. DEPTH: -1 USE: GC  
ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-27 DRILL DEPTH: -1 YIELD: 17  
North Myrtle Bc, SC 29597 DISTANCE: 4.08 MILES ESE ELEV: -1.00  
REMARKS: LOCATION: BTW.TEE #16 & EAST.PROPERTY LN

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r13  
CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-36-59 COMP. DEPTH: -1 USE: GC  
ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-18 DRILL DEPTH: -1 YIELD: 35  
North Myrtle Bc, SC 29597 DISTANCE: 4.18 MILES ESE ELEV: -1.00  
REMARKS: LOCATION: BTW.FAIRWAY #16 & EAST.PROP.LN

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r14  
CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-04 COMP. DEPTH: -1 USE: GC  
ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-08 DRILL DEPTH: -1 YIELD: 25  
North Myrtle Bc, SC 29597 DISTANCE: 4.14 MILES ESE ELEV: -1.00  
REMARKS: LOCATION: BTW.TEE #15 AND UNDERPASS.

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r15  
CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-19 COMP. DEPTH: -1 USE: GC  
ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-17 DRILL DEPTH: -1 YIELD: 1970  
North Myrtle Bc, SC 29597 DISTANCE: 3.87 MILES ESE ELEV: -1.00  
REMARKS: LOCATION: PUMP HOUSE AT LAKE #1.

COMPANY: Southern Land & Golf COUNTY: AQUIFER: PeeDee SCWRC: 02Q--r16  
CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-16 COMP. DEPTH: 520 USE: GC  
ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-16 DRILL DEPTH: 520 YIELD: 460  
North Myrtle Bc, SC 29597 DISTANCE: 3.92 MILES ESE ELEV: -1.00  
REMARKS: LOCATION: NEAR PUMP HOUSE AT LAKE #1

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Southern Land & Golf	COUNTY:	AQUIFER: Peedee	SCWRC: 02Q--r17
CONTACT: Steven L. Long	PHONE: 803-249-1403	LONGITUDE: 78-37-13	COMP. DEPTH: 33
ADDRESS: P.O. Drawer 3707		LATITUDE: 33-51-42	DRILL DEPTH: 33
North Myrtle Bc, SC 29597		DISTANCE: 3.89 MILES ESE	ELEV: -1.00
REMARKS:		LOCATION: Between Fairway 16 & East.Prop	YIELD: 18
			USE: GC

COMPANY: Southern Land & Golf	COUNTY:	AQUIFER: Peedee	SCWRC: 02Q--r18
CONTACT: Steven L. Long	PHONE: 803-249-1403	LONGITUDE: 78-37-25	COMP. DEPTH: 44
ADDRESS: P.O. Drawer 3707		LATITUDE: 33-51-27	DRILL DEPTH: 44
North Myrtle Bc, SC 29597		DISTANCE: 3.74 MILES ESE	ELEV: -1.00
REMARKS:		LOCATION:	YIELD: 12
			USE: GC

COMPANY: NMB LIBRARY	COUNTY:	AQUIFER: PEEDEE	SCWRC: 03R--a14
CONTACT:	PHONE: 626-1370	LONGITUDE: 78-40-44	COMP. DEPTH: 78
ADDRESS: 2ND AVE. N.		LATITUDE: 33-49-34	DRILL DEPTH: -1
NMB, SC 29578		DISTANCE: 2.84 MILES SSE	ELEV: 20.00
REMARKS: ALTERNATE PHONE #248-1370.		LOCATION: N MYRTLE LIBRARY 2ND AVE N	YIELD: 40
			USE: IR

COMPANY: Caro-Strand Corporation	COUNTY: Horry	AQUIFER:	SCWRC: 26GC02G05
CONTACT:	PHONE:	LONGITUDE: 78-39-36	COMP. DEPTH: 0
ADDRESS: P.O. Box 240		LATITUDE: 33-52-29	DRILL DEPTH: 0
N. Myrtle Beach, SC 29597		DISTANCE: 1.68 MILES ENE	ELEV: 0.00
REMARKS:		LOCATION:	YIELD: 0
			USE:

COMPANY: Azalea Sand Golf Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC01G01
CONTACT:	PHONE:	LONGITUDE: 78-42-43	COMP. DEPTH: 0
ADDRESS: 2100 Highway 17 N.		LATITUDE: 33-48-47	DRILL DEPTH: 0
Myrtle Beach, SC 29582		DISTANCE: 3.96 MILES SSW	ELEV: 0.00
REMARKS:		LOCATION:	YIELD: 0
			USE:

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Azalea Sand Golf Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC01G02
CONTACT: PHONE:	LONGITUDE: 78-42-43	COMP. DEPTH: 0	USE:
ADDRESS: 2100 Highway 17 N.	LATITUDE: 33-48-47	DRILL DEPTH: 0	YIELD: 0
Myrtle Beach, SC 29582	DISTANCE: 3.96 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Caro-Strand Corporation	COUNTY: Horry	AQUIFER:	SCWRC: 26GC02G01
CONTACT: PHONE:	LONGITUDE: 78-39-35	COMP. DEPTH: 0	USE:
ADDRESS: P.O. Box 240	LATITUDE: 33-52-04	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 1.60 MILES ENE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Caro-Strand Corporation	COUNTY: Horry	AQUIFER:	SCWRC: 26GC02G02
CONTACT: PHONE:	LONGITUDE: 78-39-40	COMP. DEPTH: 0	USE:
ADDRESS: P.O. Box 240	LATITUDE: 33-51-53	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 1.53 MILES ESE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Caro-Strand Corporation	COUNTY: Horry	AQUIFER:	SCWRC: 26GC02G03
CONTACT: PHONE:	LONGITUDE: 78-39-37	COMP. DEPTH: 0	USE:
ADDRESS: P.O. Box 240	LATITUDE: 33-52-28	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 1.66 MILES ENE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Caro-Strand Corporation	COUNTY: Horry	AQUIFER:	SCWRC: 26GC02G04
CONTACT: PHONE:	LONGITUDE: 78-39-38	COMP. DEPTH: 0	USE:
ADDRESS: P.O. Box 240	LATITUDE: 33-52-21	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 1.60 MILES ENE	ELEV: 0.00	
REMARKS:	LOCATION:		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

## S.C. DEPARTMENT OF HEALTH &amp; ENVIRONMENTAL CONTROL

## BUREAU OF SOLID &amp; HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Beachwood Golf Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC03G01
CONTACT: PHONE:	LONGITUDE: 78-42-30	COMP. DEPTH: 0	USE:
ADDRESS: 1520 Highway 17 South	LATITUDE: 33-49-13	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.42 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Beachwood Golf Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC03G02
CONTACT: PHONE:	LONGITUDE: 78-42-21	COMP. DEPTH: 0	USE:
ADDRESS: 1520 Highway 17 South	LATITUDE: 33-48-59	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.62 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Robbers Roost Golf Course	COUNTY: Horry	AQUIFER:	SCWRC: 26GC08G01
CONTACT: PHONE:	LONGITUDE: 78-39-23	COMP. DEPTH: 0	USE:
ADDRESS: P.O. Box 68	LATITUDE: 33-50-30	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 2.49 MILES ESE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Possum Trot Golf Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC10G01
CONTACT: PHONE:	LONGITUDE: 78-42-06	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 297	LATITUDE: 33-49-30	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 2.99 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Possum Trot Golf Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC10G02
CONTACT: PHONE:	LONGITUDE: 78-42-06	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 297	LATITUDE: 33-49-18	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.21 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.

LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Surf Golf & Beach Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC13G01
CONTACT: PHONE:	LONGITUDE: 78-39-05	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 47	LATITUDE: 33-50-11	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 2.95 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		

COMPANY: Surf Golf & Beach Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC13G02
CONTACT: PHONE:	LONGITUDE: 78-39-38	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 47	LATITUDE: 33-49-53	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 2.89 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		

COMPANY: Surf Golf & Beach Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC13G03
CONTACT: PHONE:	LONGITUDE: 78-39-04	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 47	LATITUDE: 33-50-12	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 2.95 MILES ESE	ELEV: 0.00	
REMARKS:	LOCATION:		

COMPANY: Surf Golf & Beach Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC13G04
CONTACT: PHONE:	LONGITUDE: 78-39-40	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 47	LATITUDE: 33-49-54	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 2.85 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		

COMPANY: Surf Golf & Beach Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC13G05
CONTACT: PHONE:	LONGITUDE: 78-39-11	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 47	LATITUDE: 33-49-49	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 3.20 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Surf Golf & Beach Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC13G06
CONTACT: PHONE:	LONGITUDE: 78-39-38	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 47	LATITUDE: 33-49-53	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 2.89 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: The Gator Hole Golf Cours	COUNTY: Horry	AQUIFER:	SCWRC: 26GC16G01
CONTACT: PHONE:	LONGITUDE: 78-40-10	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 154	LATITUDE: 33-49-30	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.06 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: The Gator Hole Golf Cours	COUNTY: Horry	AQUIFER:	SCWRC: 26GC16G02
CONTACT: PHONE:	LONGITUDE: 78-40-13	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 154	LATITUDE: 33-49-32	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.00 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: The Maritime Corp., dba C	COUNTY: Horry	AQUIFER:	SCWRC: 26GC24G01
CONTACT: PHONE:	LONGITUDE: 78-37-18	COMP. DEPTH: 0	USE:
ADDRESS: P. O. Box 209	LATITUDE: 33-52-28	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 3.83 MILES ENE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Cherry Grove Golf Corpora	COUNTY: Horry	AQUIFER:	SCWRC: 26GC25G01
CONTACT: PHONE:	LONGITUDE: 78-39-03	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 746	LATITUDE: 33-52-38	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 2.24 MILES ENE	ELEV: 0.00	
REMARKS:	LOCATION:		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G01
CONTACT: PHONE:	LONGITUDE: 78-38-41	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-50-03	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.33 MILES ESE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G03 (
CONTACT: PHONE:	LONGITUDE: 78-40-11	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-50-20	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 2.17 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G04
CONTACT: PHONE:	LONGITUDE: 78-41-06	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-49-39	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 2.70 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G05
CONTACT: PHONE:	LONGITUDE: 78-41-54	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-49-00	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.50 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G07
CONTACT: PHONE:	LONGITUDE: 78-43-01	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-48-55	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.93 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

Date: 12/16/93

## S.C. DEPARTMENT OF HEALTH &amp; ENVIRONMENTAL CONTROL

## BUREAU OF SOLID &amp; HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G09
CONTACT: PHONE:	LONGITUDE: 78-41-10	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-48-59	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.47 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G11 (
CONTACT: PHONE:	LONGITUDE: 78-40-23	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-49-18	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.21 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G12
CONTACT: PHONE:	LONGITUDE: 78-42-18	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-48-34	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 4.07 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Little River Water & Sewe	COUNTY: Horry	AQUIFER:	SCWRC: 26WS06G01
CONTACT: PHONE:	LONGITUDE: 78-39-25	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 68	LATITUDE: 33-52-47	DRILL DEPTH: 0	YIELD: 0
Little River, SC 29566	DISTANCE: 1.98 MILES ENE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Little River Water & Sewe	COUNTY: Horry	AQUIFER:	SCWRC: 26WS06G02
CONTACT: PHONE:	LONGITUDE: 78-39-13	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 68	LATITUDE: 33-52-32	DRILL DEPTH: 0	YIELD: 0
Little River, SC 29566	DISTANCE: 2.05 MILES ENE	ELEV: 0.00	
REMARKS:	LOCATION:		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.



S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Little River Water & Sewe	COUNTY: Horry	AQUIFER:	SCWRC: 26WS06G03
CONTACT: PHONE:	LONGITUDE: 78-39-38	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 68	LATITUDE: 33-51-56	DRILL DEPTH: 0	YIELD: 0
Little River, SC 29566	DISTANCE: 1.56 MILES ESE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Little River Water & Sewe	COUNTY: Horry	AQUIFER:	SCWRC: 26WS06G04
CONTACT: PHONE:	LONGITUDE: 78-41-59	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 68	LATITUDE: 33-54-08	DRILL DEPTH: 0	YIELD: 0
Little River, SC 29566	DISTANCE: 2.55 MILES NNW	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Little River Water & Sewe	COUNTY: Horry	AQUIFER:	SCWRC: 26WS06G05
CONTACT: PHONE:	LONGITUDE: 78-41-59	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 68	LATITUDE: 33-54-08	DRILL DEPTH: 0	YIELD: 0
Little River, SC 29566	DISTANCE: 2.55 MILES NNW	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Grand Strand Water & Sewe	COUNTY: Horry	AQUIFER:	SCWRC: 26WS09G01
CONTACT: PHONE:	LONGITUDE: 78-44-17	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 1537	LATITUDE: 33-51-23	DRILL DEPTH: 0	YIELD: 0
Conway, SC 29526	DISTANCE: 3.00 MILES WSW	ELEV: 0.00	
REMARKS:	LOCATION:		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.



Ref 3

MEMORANDUM

TO: Greg George  
Site Screening Section  
Division of Site Engineering and Screening  
Bureau of Solid and Hazardous Waste Management

FROM: Marion Feagin,<sup>mf</sup> Hydrologist  
Superfund Section  
Division of Hydrology  
Bureau of Solid and Hazardous Waste Management

DATE: January 3, 1993

RE: Old Cherry Grove Landfill (CRE Landfill)  
SCD 987 597 432  
Horry County  
Preliminary Assessment - Hydrogeologic Review

A hydrogeologic review of the referenced site has been conducted to assist in completing a preliminary assessment (PA) for the Superfund program. The purpose of the hydrogeologic review is to provide information regarding the groundwater migration route of potential contaminants. It includes information obtained from South Carolina Water Resources Commission (SCWRC) well tabulations, United States Department of Agriculture (USDA) soil surveys, site specific information from the South Carolina Department of Health and Environmental Control (SCDHEC) files, United States Geological Survey (USGS) topographic quadrangles, and a geologic/hydrogeologic literature review.

According to Pelletier (1985) and a report by Engineering Tectonics, P.A. entitled Report of Investigations CRE Landfill Site, Cherry Grove Beach, South Carolina (dated June, 1990), the following geologic units underlie the site:

<u>Name</u>	<u>Description</u>	<u>Estimated Hydraulic Conductivity</u>	<u>Estimated Depth of Occurrence</u>
Canepatch Formation	Sand, sandy clay, and shelly sand	$10^{-4}$ cm/sec	0 - 40 ft.
Pee Dee Formation	Clay with sand and silty sand	$10^{-6}$ cm/sec	40 - 315 ft.

<u>Name</u>	<u>Description</u>	<u>Estimated Hydraulic Conductivity</u>	<u>Estimated Depth of Occurrence</u>
Black Creek Formation	Sand inter-bedded with clay	$10^{-4}$ cm/sec	315 ft. +

Regional hydrogeologic data indicates that the Pee Dee Formation contains a confining unit that exists within a two-mile radius of the site. The confining unit likely restricts the downward vertical migration of groundwater to the principal drinking-water aquifer located in the Black Creek Formation. The referenced facility is not located in an area of karst topography.

Based on water levels in 11 on-site wells, the depth to groundwater ranges between 1 and 4 feet below ground surface. The predominant shallow groundwater flow direction beneath the southeastern portion of the landfill appears to be to the southeast towards a small pond. The predominant shallow groundwater flow direction beneath the remaining portions of the landfill appears to be to the southwest towards a wetlands area.

A well inventory within the four-mile site radius indicates the following uses of groundwater: irrigation, industrial, domestic, and public water supply.

On-site surface soils (0-2 ft.) may be classified as Blanton sand and Leon fine sand exhibiting a high infiltration rate.

cc: Boyd Holt, Waccamaw District

References Cited:

Engineering Tectonics, P.A., June, 1990, Report of Investigations  
CRE Landfill Site, Cherry Grove Beach, South Carolina.

Pelletier, A. M., 1985, Groundwater Conditions and Water-Supply  
Alternatives in the Waccamaw Capacity Use Area South Carolina,  
SCWRC Report #144.

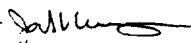
Ref 4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV  
Environmental Services Division  
College Station Road, Athens, Ga. 30613

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 10/08/94

SUBJECT: Results of Purgeable Organic Analysis;  
94-0604 OLD CHERRY GROVE LF  
NIXON CRCS SC  
CASE NO: 22582

FROM: Charles E. Hooper   
Chief, Laboratory Evaluation/Quality Assurance Section

TO: JOHN CRISWELL

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

## ORGANIC DATA QUALIFIER REPORT

Case Number 22582      Project Number 94-0604      SAS Number  
 Site ID. Old Cherry Grove LF, Nixon Cros, SC

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
<u>Volatiles</u>			
88789, 88792, 88793,	4-methyl-2-pentanone	J	low internal standard recovery
	tetrachloroethene	J	low internal standard recovery
	1,1,2,2-tetrachloroethane	J	low internal standard recovery
	toluene	J	low internal standard recovery
	chlorobenzene	J	low internal standard recovery
	ethylbenzene	J	low internal standard recovery
	styrene	J	low internal standard recovery
	xylene	J	low internal standard recovery
	carbon disulfide	J	< quantitation limit
88794, 88795, 88796	1,1,1-trichloroethane	J	low internal standard recovery
	carbon tetrachloride	J	low internal standard recovery
	bromodichloromethane	J	low internal standard recovery
	1,2-dichloropropane	J	low internal standard recovery
	trans-1,3-dichloropropene	J	low internal standard recovery
	trichloroethene	J	low internal standard recovery
	dibromochloromethane	J	low internal standard recovery
	1,1,2-trichloroethane	J	low internal standard recovery
	benzene	J	low internal standard recovery
	cis-1,3-dichloropropene	J	low internal standard recovery
	bromoform	J	low internal standard recovery
	2-hexanone	J	low internal standard recovery
	4-methyl-2-pentanone	J	low internal standard recovery
	tetrachloroethene	J	low internal standard recovery
	1,1,2,2-tetrachloroethane	J	low internal standard recovery
	toluene	J	low internal standard recovery
	chlorobenzene	J	low internal standard recovery
	ethylbenzene	J	low internal standard recovery
	styrene	J	low internal standard recovery
	xylene	J	low internal standard recovery
88793, 88794, 88795	acetone	N	common lab contaminant
<u>Extractables</u>			
88792, 88794, 88795, 88796	di-n-octylphthalate	J	low internal standard recovery
	benzo(b/k)fluoranthene	J	low internal standard recovery
	benzo(a)pyrene	J	low internal standard recovery
	indeno(1,2,3-cd)pyrene	J	low internal standard recovery
	dibenz(a,h)anthracene	J	low internal standard recovery
	benzo(g,h,i)perylene	J	low internal standard recovery
88794	fluoranthene	J	< quantitation limit
88795	phenanthrene	J	< quantitation limit
	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit

Pesticides

None

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PURGEABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88789 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 001-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 **
** **

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** CASE NO.: 22582 SAS NO.: D. NO.: JA02 **
*** **

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UG/KG ANALYTICAL RESULTS

```

11U CHLOROMETHANE
11U BROMOMETHANE
11U VINYL CHLORIDE
11U CHLOROETHANE
60 METHYLENE CHLORIDE
11U ACETONE
9J CARBON DISULFIDE
11U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
11U 1,1-DICHLOROETHANE
11U 1,2-DICHLOROETHENE (TOTAL)
11U CHLOROFORM
11U 1,2-DICHLOROETHANE
11U METHYL ETHYL KETONE
11U 1,1,1-TRICHLOROETHANE
11U CARBON TETRACHLORIDE
11U BROMODICHLOROMETHANE

```

UG/KG ANALYTICAL RESULTS

```

11U 1,2-DICHLOROPROPANE
11U CIS-1,3-DICHLOROPROPENE
11U TRICHLOROETHENE(TRICHLOROETHYLENE)
11U DIBROMOCHLOROMETHANE
11U 1,1,2-TRICHLOROETHANE
11U BENZENE
11U TRANS-1,3-DICHLOROPROPENE
11U BROMOFORM
11UJ METHYL ISOBUTYL KETONE
11UJ METHYL BUTYL KETONE
11UJ 1,1,2,2-TETRACHLOROETHANE
11UJ 1,1,2,2-TETRACHLOROETHANE
11UJ TOLUENE
11UJ CHLOROBENZENE
11UJ ETHYL BENZENE
11UJ STYRENE
11UJ TOTAL XYLENES
12 PERCENT MOISTURE

```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PURGEABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0604  SAMPLE NO. 88790  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: F.M. CARNES  **
** SOURCE: OLD CHERRY GROVE LF  CITY: NIXON CROS  ST: SC  **
** STATION ID: 002-SS  COLLECTION START: 08/24/94  1157  STOP: 00/00/00  **
**
** CASE NO.: 22582  SAS NO.:  D. NO.: JA03  **
*** **
  
```

UG/KG                      ANALYTICAL RESULTS

```

12U CHLOROMETHANE
12U BROMOMETHANE
12U VINYL CHLORIDE
12U CHLOROETHANE
12U METHYLENE CHLORIDE
12U ACETONE
12U CARBON DISULFIDE
12U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
12U 1,1-DICHLOROETHANE
12U 1,2-DICHLOROETHENE (TOTAL)
12U CHLOROFORM
12U 1,2-DICHLOROETHANE
12U METHYL ETHYL KETONE
12U 1,1,1-TRICHLOROETHANE
12U CARBON TETRACHLORIDE
12U BROMODICHLOROMETHANE
  
```

UG/KG                      ANALYTICAL RESULTS

```

12U 1,2-DICHLOROPROPANE
12U CIS-1,3-DICHLOROPROPENE
12U TRICHLOROETHENE(TRICHLOROETHYLENE)
12U DIBROMOCHLOROMETHANE
12U 1,1,2-TRICHLOROETHANE
12U BENZENE
12U TRANS-1,3-DICHLOROPROPENE
12U BROMOFORM
12U METHYL ISOBUTYL KETONE
12U METHYL BUTYL KETONE
12U TETRACHLOROETHENE(TETRACHLOROETHYLENE)
12U 1,1,2,2-TETRACHLOROETHANE
12U TOLUENE
12U CHLOROBENZENE
12U ETHYL BENZENE
12U STYRENE
12U TOTAL XYLENES
14 PERCENT MOISTURE
  
```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE    \*NA-NOT ANALYZED    \*NAI-INTERFERENCES    \*J-ESTIMATED VALUE    \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN    \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
 \*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.



SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PURGEABLE ORGANICS DATA REPORT

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\*\* PROJECT NO. 94-0604 SAMPLE NO. 88791 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNs \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 003-SS COLLECTION START: 08/24/94 1207 STOP: 00/00/00 \*\*

\*\* CASE NO.: 22582 SAS NO.: D. NO.: JA04 \*\*

\*\*\* \*\*

UG/KG ANALYTICAL RESULTS

12U CHLOROMETHANE  
12U BROMOMETHANE  
12U VINYL CHLORIDE  
12U CHLOROETHANE  
12U METHYLENE CHLORIDE  
12U ACETONE  
12U CARBON DISULFIDE  
12U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)  
12U 1,1-DICHLOROETHANE  
12U 1,2-DICHLOROETHENE (TOTAL)  
12U CHLOROFORM  
12U 1,2-DICHLOROETHANE  
12U METHYL ETHYL KETONE  
12U 1,1,1-TRICHLOROETHANE  
12U CARBON TETRACHLORIDE  
12U BROMODICHLOROMETHANE

UG/KG ANALYTICAL RESULTS

12U 1,2-DICHLOROPROPANE  
12U CIS-1,3-DICHLOROPROPENE  
12U TRICHLOROETHENE(TRICHLOROETHYLENE)  
12U DIBROMOCHLOROMETHANE  
12U 1,1,2-TRICHLOROETHANE  
12U BENZENE  
12U TRANS-1,3-DICHLOROPROPENE  
12U BROMOFORM  
12U METHYL ISOBUTYL KETONE  
12U METHYL BUTYL KETONE  
12U TETRACHLOROETHENE(TETRACHLOROETHYLENE)  
12U 1,1,2,2-TETRACHLOROETHANE  
12U TOLUENE  
12U CHLOROBENZENE  
12U ETHYL BENZENE  
12U STYRENE  
12U TOTAL XYLENES  
14 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PURGEABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88792 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNs **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 004-SS COLLECTION START: 08/24/94 1222 STOP: 00/00/00 **
** CASE NO.: 22582 SAS NO.: D. NO.: JA05 **
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UG/KG ANALYTICAL RESULTS

```

12U CHLOROMETHANE
12U BROMOMETHANE
12U VINYL CHLORIDE
12U CHLOROETHANE
12U METHYLENE CHLORIDE
12U ACETONE
12U CARBON DISULFIDE
12U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
12U 1,1-DICHLOROETHANE
12U 1,2-DICHLOROETHENE (TOTAL)
12U CHLOROFORM
12U 1,2-DICHLOROETHANE
12U METHYL ETHYL KETONE
12U 1,1,1-TRICHLOROETHANE
12U CARBON TETRACHLORIDE
12U BROMODICHLOROMETHANE
  
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UG/KG ANALYTICAL RESULTS

```

12U 1,2-DICHLOROPROPANE
12U CIS-1,3-DICHLOROPROPENE
12U TRICHLOROETHENE(TRICHLOROETHYLENE)
12U DIBROMOCHLOROMETHANE
12U 1,1,2-TRICHLOROETHANE
12U BENZENE
12U TRANS-1,3-DICHLOROPROPENE
12U BROMOFORM
12UJ METHYL ISOBUTYL KETONE
12UJ METHYL BUTYL KETONE
12UJ TETRACHLOROETHENE(TETRACHLOROETHYLENE)
12UJ 1,1,2,2-TETRACHLOROETHANE
12UJ TOLUENE
12UJ CHLOROBENZENE
12UJ ETHYL BENZENE
12UJ STYRENE
12UJ TOTAL XYLENES
17 PERCENT MOISTURE
  
```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PURGEABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88793 SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNS   **
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC   **
** STATION ID: 005-SS   COLLECTION START: 08/24/94 1129 STOP: 00/00/00   **
**

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** CASE NO.: 22582   SAS NO.:   D. NO.: JAO6   **
*** **

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UG/KG ANALYTICAL RESULTS

```

19U CHLOROMETHANE
19U BROMOMETHANE
19U VINYL CHLORIDE
19U CHLOROETHANE
38N METHYLENE CHLORIDE
19U ACETONE
19U CARBON DISULFIDE
19U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
19U 1,1-DICHLOROETHANE
19U 1,2-DICHLOROETHENE (TOTAL)
19U CHLOROFORM
19U 1,2-DICHLOROETHANE
19U METHYL ETHYL KETONE
19U 1,1,1-TRICHLOROETHANF
19U CARBON TETRACHLORIDE
19U BROMODICHLOROMETHANE

```

UG/KG ANALYTICAL RESULTS

```

19U 1,2-DICHLOROPROPANE
19U CIS-1,3-DICHLOROPROPENE
19U TRICHLOROETHENE(TRICHLOROETHYLENE)
19U DIBROMOCHLOROMETHANE
19U 1,1,2-TRICHLOROETHANE
19U BENZENE
19U TRANS-1,3-DICHLOROPROPENE
19U BROMOFORM
19UJ METHYL ISOBUTYL KETONE
19UJ METHYL BUTYL KETONE
19UJ TETRACHLOROETHENE(TETRACHLOROETHYLENE)
19UJ 1,1,2,2-TETRACHLOROETHANE
19UJ TOLUENE
19UJ CHLOROBENZENE
19UJ ETHYL BENZENE
19UJ STYRENE
19UJ TOTAL XYLENES
48 PERCENT MOISTURE

```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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*A-AVERAGE VALUE   *NA-NOT ANALYZED   *NAI-INTERFERENCES   *J-ESTIMATED VALUE   *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN   *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PURGEABLE ORGANICS DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88794 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 006-SS COLLECTION START: 08/24/94 1145 STOP: 00/00/00 **
**
** CASE NO.: 22582 SAS NO.: D. NO.: JA07 **
*** ** ** ** *
  
```

UG/KG ANALYTICAL RESULTS

```

17U CHLOROMETHANE
17U BROMOMETHANE
17U VINYL CHLORIDE
17U CHLOROETHANE
67N METHYLENE CHLORIDE
17U ACETONE
17U CARBON DISULFIDE
17U 1,1-DICHLOROETHENE (1,1-DICHLOROETHYLENE)
17U 1,1-DICHLOROETHANE
17U 1,2-DICHLOROETHENE (TOTAL)
17U CHLOROFORM
17U 1,2-DICHLOROETHANE
17U METHYL ETHYL KETONE
17UJ 1,1,1-TRICHLOROETHANE
17UJ CARBON TETRACHLORIDE
17UJ BROMODICHLOROMETHANE
  
```

UG/KG ANALYTICAL RESULTS

```

17UJ 1,2-DICHLOROPROPANE
17UJ CIS-1,3-DICHLOROPROPENE
17UJ TRICHLOROETHENE (TRICHLOROETHYLENE)
17UJ DIBROMOCHLOROMETHANE
17UJ 1,1,2-TRICHLOROETHANE
17UJ BENZENE
17UJ TRANS-1,3-DICHLOROPROPENE
17UJ BROMOFORM
17UJ METHYL ISOBUTYL KETONE
17UJ METHYL BUTYL KETONE
17UJ TETRACHLOROETHENE (TETRACHLOROETHYLENE)
17UJ 1,1,2,2-TETRACHLOROETHANE
17UJ TOLUENE
17UJ CHLOROBENZENE
17UJ ETHYL BENZENE
17UJ STYRENE
17UJ TOTAL XYLENES
42 PERCENT MOISTURE
  
```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
 \*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PURGEABLE ORGANICS DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88795 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 007-SS COLLECTION START: 08/24/94 1155 STOP: 00/00/00 **
** ** ** **
** CASE NO.: 22582 SAS NO.: D. NO.: JA08 **
*** ** ** **
  
```

UG/KG ANALYTICAL RESULTS

```

25U CHLOROMETHANE
25U BROMOMETHANE
25U VINYL CHLORIDE
25U CHLOROETHANE
64N METHYLENE CHLORIDE
25U ACETONE
25U CARBON DISULFIDE
25U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
25U 1,1-DICHLOROETHANE
25U 1,2-DICHLOROETHENE (TOTAL)
25U CHLOROFORM
25U 1,2-DICHLOROETHANE
25U METHYL ETHYL KETONE
25UJ 1,1,1-TRICHLOROETHANE
25UJ CARBON TETRACHLORIDE
25UJ BROMODICHLOROMETHANE
  
```

UG/KG ANALYTICAL RESULTS

```

25UJ 1,2-DICHLOROPROPANE
25UJ CIS-1,3-DICHLOROPROPENE
25UJ TRICHLOROETHENE(TRICHLOROETHYLENE)
25UJ DIBROMOCHLOROMETHANE
25UJ 1,1,2-TRICHLOROETHANE
25UJ BENZENE
25UJ TRANS-1,3-DICHLOROPROPENE
25UJ BROMOFORM
25UJ METHYL ISOBUTYL KETONE
25UJ METHYL BUTYL KETONE
25UJ TETRACHLOROETHENE(TETRACHLOROETHYLENE)
25UJ 1,1,2,2-TETRACHLOROETHANE
25UJ TOLUENE
25UJ CHLOROBENZENE
25UJ ETHYL BENZENE
25UJ STYRENE
25UJ TOTAL XYLENES
61 PERCENT MOISTURE
  
```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
 \*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PURGEABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88796 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 008-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 **
**
** CASE NO.: 22582 SAS NO.: D. NO.: JA09 **
*** **

```

UG/KG ANALYTICAL RESULTS

```

11U CHLOROMETHANE
11U BROMOMETHANE
11U VINYL CHLORIDE
11U CHLOROETHANE
11U METHYLENE CHLORIDE
11U ACETONE
11U CARBON DISULFIDE
11U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
11U 1,1-DICHLOROETHANE
11U 1,2-DICHLOROETHENE (TOTAL)
11U CHLOROFORM
11U 1,2-DICHLOROETHANE
11U METHYL ETHYL KETONE
11UJ 1,1,1-TRICHLOROETHANE
11UJ CARBON TETRACHLORIDE
11UJ BROMODICHLOROMETHANE

```

UG/KG ANALYTICAL RESULTS

```

11UJ 1,2-DICHLOROPROPANE
11UJ CIS-1,3-DICHLOROPROPENE
11UJ TRICHLOROETHENE (TRICHLOROETHYLENE)
11UJ DIBROMOCHLOROMETHANE
11UJ 1,1,2-TRICHLOROETHANE
11UJ BENZENE
11UJ TRANS-1,3-DICHLOROPROPENE
11UJ BROMOFORM
11UJ METHYL ISOBUTYL KETONE
11UJ METHYL BUTYL KETONE
11UJ TETRACHLOROETHENE (TETRACHLOROETHYLENE)
11UJ 1,1,2,2-TETRACHLOROETHANE
11UJ TOLUENE
11UJ CHLOROBENZENE
11UJ ETHYL BENZENE
11UJ STYRENE
11UJ TOTAL XYLENES
13 PERCENT MOISTURE

```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

```

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88793 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNES \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 005-SS COLLECTION START: 08/24/94 1129 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 22582 SAS NO.: D. NO.: JA06 MD NO: JA06 \*\*  
\*\*\* \*\*

ANALYTICAL RESULTS UG/KG

100JN BENZALDEHYDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88794 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 006-SS COLLECTION START: 08/24/94 1145 STOP: 00/00/00 **
** CASE NO.: 22582 SAS NO.: D. NO.: JA07 MD NO: JA07 **
*** ** ** *****
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ANALYTICAL RESULTS UG/KG

70J 1 UNIDENTIFIED COMPOUND

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88795 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 007-SS COLLECTION START: 08/24/94 1155 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 22582 SAS NO.: D. NO.: JA08 MD NO: JA08 \*\*  
\*\*\* \*\*

ANALYTICAL RESULTS UG/KG

300J 1 UNIDENTIFIED COMPOUND

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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RECEIVED

OCT 17 1994


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV  
Environmental Services Division  
College Station Road, Athens, Ga. 30613

SITE ENGINEERING & SCREENING  
BSHWM

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 10/08/94

SUBJECT: Results of Pesticide/PCB Analysis;  
94-0604 OLD CHERRY GROVE LF  
NIXON CROS SC  
CASE NO: 22582

FROM: Charles E. Hooper   
Chief, Laboratory Evaluation/Quality Assurance Section

TO: JOHN CRISWELL

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

## ORGANIC DATA QUALIFIER REPORT

Case Number 22582      Project Number 94-0604      SAS Number  
 Site ID. Old Cherry Grove LF, Nixon Cros, SC

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
<u>Volatiles</u>			
88789, 88792, 88793,	4-methyl-2-pentanone	J	low internal standard recovery
	tetrachloroethene	J	low internal standard recovery
	1,1,2,2-tetrachloroethane	J	low internal standard recovery
	toluene	J	low internal standard recovery
	chlorobenzene	J	low internal standard recovery
	ethylbenzene	J	low internal standard recovery
	styrene	J	low internal standard recovery
	xylene	J	low internal standard recovery
	carbon disulfide	J	< quantitation limit
88794, 88795, 88796	1,1,1-trichloroethane	J	low internal standard recovery
	carbon tetrachloride	J	low internal standard recovery
	bromodichloromethane	J	low internal standard recovery
	1,2-dichloropropane	J	low internal standard recovery
	trans-1,3-dichloropropene	J	low internal standard recovery
	trichloroethene	J	low internal standard recovery
	dibromochloromethane	J	low internal standard recovery
	1,1,2-trichloroethane	J	low internal standard recovery
	benzene	J	low internal standard recovery
	cis-1,3-dichloropropene	J	low internal standard recovery
	bromoform	J	low internal standard recovery
	2-hexanone	J	low internal standard recovery
	4-methyl-2-pentanone	J	low internal standard recovery
	tetrachloroethene	J	low internal standard recovery
	1,1,2,2-tetrachloroethane	J	low internal standard recovery
	toluene	J	low internal standard recovery
	chlorobenzene	J	low internal standard recovery
	ethylbenzene	J	low internal standard recovery
	styrene	J	low internal standard recovery
	xylene	J	low internal standard recovery
88793, 88794, 88795	acetone	N	common lab contaminant
<u>Extractables</u>			
88792, 88794, 88795, 88796	di-n-octylphthalate	J	low internal standard recovery
	benzo(b/k)fluoranthene	J	low internal standard recovery
	benzo(a)pyrene	J	low internal standard recovery
	indeno(1,2,3-cd)pyrene	J	low internal standard recovery
	dibenz(a,h)anthracene	J	low internal standard recovery
	benzo(g,h,i)perylene	J	low internal standard recovery
88794	fluoranthene	J	< quantitation limit
88795	phenanthrene	J	< quantitation limit
	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit

Pesticides

None

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88789 SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNS   **
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC   **
** STATION ID: 001-SS   COLLECTION START: 08/24/94 1130 STOP: 00/00/00   **
** CASE NUMBER: 22582   SAS NUMBER:   D. NUMBER: JA02   **
**

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UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
1.9U	ALPHA-BHC	19U	METHOXYCHLOR
1.9U	BETA-BHC	3.6U	ENDRIN KETONE
1.9U	DELTA-BHC	3.6U	ENDRIN ALDEHYDE
1.9U	GAMMA-BHC (LINDANE)	--	CHLORDANE (TECH. MIXTURE) /1
1.9U	HEPTACHLOR	1.9U	GAMMA-CHLORDANE /2
1.9U	ALDRIN	1.9U	ALPHA-CHLORDANE /2
1.9U	HEPTACHLOR EPOXIDE	190U	TOXAPHENE
1.9U	ENDOSULFAN I (ALPHA)	36U	PCB-1016 (AROCLOR 1016)
3.6U	DIELDRIN	74U	PCB-1221 (AROCLOR 1221)
3.6U	4,4'-DDE (P,P'-DDE)	36U	PCB-1232 (AROCLOR 1232)
3.6U	ENDRIN	150	PCB-1242 (AROCLOR 1242)
3.6U	ENDOSULFAN II (BETA)	36U	PCB-1248 (AROCLOR 1248)
3.6U	4,4'-DDD (P,P'-DDD)	36U	PCB-1254 (AROCLOR 1254)
3.6U	ENDOSULFAN SULFATE	36U	PCB-1260 (AROCLOR 1260)
3.6U	4,4'-DDT (P,P' DDT)	11	PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

```

*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88790 SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNS   **
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC   **
** STATION ID: 002-SS   COLLECTION START: 08/24/94 1157 STOP: 00/00/00   **
** CASE NUMBER: 22582   SAS NUMBER:   D. NUMBER: JA03   **
**

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UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
2.0U	ALPHA-BHC	20U	METHOXYCHLOR
2.0U	BETA-BHC	3.8U	ENDRIN KETONE
2.0U	DELTA-BHC	3.8U	ENDRIN ALDEHYDE
2.0U	GAMMA-BHC (LINDANE)	--	CHLORDANE (TECH. MIXTURE) /1
2.0U	HEPTACHLOR	2.0U	GAMMA-CHLORDANE /2
2.0U	ALDRIN	2.0U	ALPHA-CHLORDANE /2
2.0U	HEPTACHLOR EPOXIDE	200U	TOXAPHENE
2.0U	ENDOSULFAN I (ALPHA)	38U	PCB-1016 (AROCLOR 1016)
3.8U	DIELDRIN	77U	PCB-1221 (AROCLOR 1221)
3.8U	4,4'-DDE (P,P'-DDE)	38U	PCB-1232 (AROCLOR 1232)
3.8U	ENDURIN	38U	PCB-1242 (AROCLOR 1242)
3.8U	ENDOSULFAN II (BETA)	38U	PCB-1248 (AROCLOR 1248)
3.8U	4,4'-DDD (P,P'-DDD)	38U	PCB-1254 (AROCLOR 1254)
3.8U	ENDOSULFAN SULFATE	38U	PCB-1260 (AROCLOR 1260)
3.8U	4,4'-DDT (P,P'-DDT)	14	PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

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*** ** ** ** **
**  PROJECT NO. 94-0604  SAMPLE NO. 88791  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: F.M. CARNs  **
**  SOURCE: OLD CHERRY GROVE LF  CITY: NIXON CROS  ST: SC  **
**  STATION ID: 003-SS  COLLECTION START: 08/24/94  1207  STOP: 00/00/00  **
**  CASE NUMBER: 22582  SAS NUMBER:  D. NUMBER: JA04  **
**  **

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UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
2.0U	ALPHA-BHC	20U	METHOXYCHLOR
2.0U	BETA-BHC	3.9U	ENDRIN KETONE
2.0U	DELTA-BHC	3.9U	ENDRIN ALDEHYDE
2.0U	GAMMA-BHC (LINDANE)	--	CHLORDANE (TECH. MIXTURE) /1
2.0U	HEPTACHLOR	2.0U	GAMMA-CHLORDANE /2
2.0U	ALDRIN	2.0U	ALPHA-CHLORDANE /2
2.0U	HEPTACHLOR EPOXIDE	200U	TOXAPHENE
2.0U	ENDOSULFAN I (ALPHA)	39U	PCB-1016 (AROCLOR 1016)
3.9U	DIELDRIN	78U	PCB-1221 (AROCLOR 1221)
3.9U	4,4'-DDE (P,P'-DDE)	39U	PCB-1232 (AROCLOR 1232)
3.9U	ENDRIN	39U	PCB-1242 (AROCLOR 1242)
3.9U	ENDOSULFAN II (BETA)	60U	PCB-1248 (AROCLOR 1248)
3.9U	4,4'-DDD (P,P'-DDD)	90U	PCB-1254 (AROCLOR 1254)
3.9U	ENDOSULFAN SULFATE	130	PCB-1260 (AROCLOR 1260)
3.9U	4,4'-DDT (P,P'-DDT)	16	PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88792 SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNS   **
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC   **
** STATION ID: 004-SS   COLLECTION START: 08/24/94 1222 STOP: 00/00/00   **
** CASE NUMBER: 22582   SAS NUMBER:   D. NUMBER: JA05   **
**

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UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
2.1U	ALPHA-BHC	21U	METHOXYCHLOR
2.1U	BETA-BHC	4.0U	ENDRIN KETONE
2.1U	DELTA-BHC	1.0U	ENDRIN ALDEHYDE
2.1U	GAMMA-BHC (LINDANE)	--	CHLORDANE (TECH. MIXTURE) /1
2.1U	HEPTACHLOR	2.1U	GAMMA-CHLORDANE /2
2.1U	ALDRIN	2.1U	ALPHA-CHLORDANE /2
2.1U	HEPTACHLOR EPOXIDE	210U	TOXAPHENE
2.1U	ENDOSULFAN I (ALPHA)	40U	PCB-1016 (AROCLOR 1016)
4.0U	DIELDRIN	82U	PCB-1221 (AROCLOR 1221)
4.0U	4,4'-DDE (P,P'-DDE)	40U	PCB-1232 (AROCLOR 1232)
4.0U	ENDRIN	160	PCB-1242 (AROCLOR 1242)
4.0U	ENDOSULFAN II (BETA)	40U	PCB-1248 (AROCLOR 1248)
4.0U	4,4'-DDD (P,P'-DDD)	40U	PCB-1254 (AROCLOR 1254)
4.0U	ENDOSULFAN SULFATE	40U	PCB-1260 (AROCLOR 1260)
25	4,4'-DDT (P,P'-DDT)	19	PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

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*** **
** PROJECT NO. 94-0604  SAMPLE NO. 88793  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: F.M. CARNS  **
** SOURCE: OLD CHERRY GROVE LF  CITY: NIXON CROS  ST: SC  **
** STATION ID: 005-SS  COLLECTION START: 08/24/94  1129  STOP: 00/00/00  **
** CASE NUMBER: 22582  SAS NUMBER:  D. NUMBER: JA06  **
**

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UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
2.8U	ALPHA-BHC	28U	METHOXYCHLOR
2.8U	BETA-BHC	5.5U	ENDRIN KETONE
2.8U	DELTA-BHC	5.5U	ENDRIN ALDEHYDE
2.8U	GAMMA-BHC (LINDANE)	--	CHLORDANE (TECH. MIXTURE) /1
2.8U	HEPTACHLOR	2.8U	GAMMA-CHLORDANE /2
2.8U	ALDRIN	2.8U	ALPHA-CHLORDANE /2
2.8U	HEPTACHLOR EPOXIDE	280U	TOXAPHENE
2.8U	ENDOSULFAN I (ALPHA)	55U	PCB-1016 (AROCLOR 1016)
5.5U	DIELDRIN	110U	PCB-1221 (AROCLOR 1221)
5.5U	4,4'-DDE (P,P'-DDE)	55U	PCB-1232 (AROCLOR 1232)
5.5U	ENDRIN	55U	PCB-1242 (AROCLOR 1242)
5.5U	ENDOSULFAN II (BETA)	55U	PCB-1248 (AROCLOR 1248)
5.5U	4,4'-DDD (P,P'-DDD)	55U	PCB-1254 (AROCLOR 1254)
5.5U	ENDOSULFAN SULFATE	55U	PCB-1260 (AROCLOR 1260)
5.5U	4,4'-DDT (P,P'-DDT)	40	PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88794 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 006-SS COLLECTION START: 08/24/94 1145 STOP: 00/00/00 **
** CASE NUMBER: 22582 SAS NUMBER: D. NUMBER: JA07 **
*** ** ** ** *
  
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UG/KG ANALYTICAL RESULTS

2.9U ALPHA-BHC  
2.9U BETA-BHC  
2.9U DELTA-BHC  
2.9U GAMMA-BHC (LINDANE)  
2.9U HEPTACHLOR  
2.9U ALDRIN  
2.9U HEPTACHLOR EPOXIDE  
2.9U ENDOSULFAN I (ALPHA)  
5.7U DIELDRIN  
5.7U 4,4'-DDE (P,P'-DDE)  
5.7U ENDRIN  
5.7U ENDOSULFAN II (BETA)  
5.7U 4,4'-DDD (P,P'-DDD)  
5.7U ENDOSULFAN SULFATE  
5.7U 4,4'-DDT (P,P'-DDT)

UG/KG ANALYTICAL RESULTS

29U METHOXYCHLOR  
5.7U ENDRIN KETONE  
5.7U ENDRIN ALDEHYDE  
-- CHLORDANE (TECH. MIXTURE) /1  
2.9U GAMMA-CHLORDANE /2  
2.9U ALPHA-CHLORDANE /2  
290U TOXAPHENE  
57U PCB-1016 (AROCOR 1016)  
120U PCB-1221 (AROCOR 1221)  
57U PCB-1232 (AROCOR 1232)  
110 PCB-1242 (AROCOR 1242)  
57U PCB-1248 (AROCOR 1248)  
57U PCB-1254 (AROCOR 1254)  
57U PCB-1260 (AROCOR 1260)  
43 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88795 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNs **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 007-SS COLLECTION START: 08/24/94 1155 STOP: 00/00/00 **
** CASE NUMBER: 22582 SAS NUMBER: D. NUMBER: JA08 **
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*** UG/KG	ANALYTICAL RESULTS	*** UG/KG	ANALYTICAL RESULTS
4.3U	ALPHA-BHC	43U	METHOXYCHLOR
4.3U	BETA-BHC	8.4U	ENDRIN KETONE
4.3U	DELTA-BHC	8.4U	ENDRIN ALDEHYDE
4.3U	GAMMA-BHC (LINDANE)	--	CHLORDANE (TECH. MIXTURE) /1
4.3U	HEPTACHLOR	4.3U	GAMMA-CHLORDANE /2
4.3U	ALDRIN	4.3U	ALPHA-CHLORDANE /2
4.3U	HEPTACHLOR EPOXIDE	430U	TOXAPHENE
4.3U	ENDOSULFAN I (ALPHA)	84U	PCB-1016 (AROCLOR 1016)
8.4U	DIELDRIN	170U	PCB-1221 (AROCLOR 1221)
8.4U	4,4'-DDE (P,P'-DDE)	84U	PCB-1232 (AROCLOR 1232)
8.4U	ENDRIN	830	PCB-1242 (AROCLOR 1242)
8.4U	ENDOSULFAN II (BETA)	84U	PCB-1248 (AROCLOR 1248)
8.4U	4,4'-DDD (P,P'-DDD)	84U	PCB-1254 (AROCLOR 1254)
8.4U	ENDOSULFAN SULFATE	84U	PCB-1260 (AROCLOR 1260)
8.4U	4,4'-DDT (P,P'-DDT)	61	PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE    \*NA-NOT ANALYZED    \*NAI-INTERFERENCES    \*J-ESTIMATED VALUE    \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN    \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
 \*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.  
 \*C-CONFIRMED BY GCMS    1. WHEN NO VALUE IS REPORTED. SEE CHLORDANE CONSTITUENTS.  
 2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88796 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 008-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 **
** CASE NUMBER: 22582 SAS NUMBER: D. NUMBER: JA09 **
**

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*** UG/KG ANALYTICAL RESULTS ***	*** UG/KG ANALYTICAL RESULTS ***
1.9U ALPHA-BHC	19U METHOXYCHLOR
1.9U BETA-BHC	3.7U ENDRIN KETONE
1.9U DELTA-BHC	3.7U ENDRIN ALDEHYDE
1.9U GAMMA-BHC (LINDANE)	-- CHLORDANE (TECH. MIXTURE) /1
1.9U HEPTACHLOR	1.9U GAMMA-CHLORDANE /2
1.9U ALDRIN	1.9U ALPHA-CHLORDANE /2
1.9U HEPTACHLOR EPOXIDE	190U TOXAPHENE
1.9U ENDOSULFAN I (ALPHA)	37U PCB-1016 (AROCLOR 1016)
3.7U DIELDRIN	76U PCB-1221 (AROCLOR 1221)
3.7U 4,4'-DDE (P,P'-DDE)	37U PCB-1232 (AROCLOR 1232)
3.7U ENDRIN	600 PCB-1242 (AROCLOR 1242)
3.7U ENDOSULFAN II (BETA)	37U PCB-1248 (AROCLOR 1248)
3.7U 4,4'-DDD (P,P'-DDD)	37U PCB-1254 (AROCLOR 1254)
3.7U ENDOSULFAN SULFATE	37U PCB-1260 (AROCLOR 1260)
3.7U 4,4'-DDT (P,P'-DDT)	12 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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 \*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.  
 2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV  
Environmental Services Division  
College Station Road, Athens, Ga. 30613

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 10/08/94

SUBJECT: Results of Specified Analysis;  
94-0604 OLD CHERRY GROVE LF  
NIXON CRCS SC  
CASE NO: 22582

FROM: *for* Charles A. Hooper *for*  
Chief, Laboratory Evaluation/Quality Assurance Section

TO: JOHN CRISWELL

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

# INORGANIC DATA QUALIFIERS REPORT

Case Number: 22582

Project Number: 94-0604

Site: Old Cherry Grove LF, Nixon Crossing, SC

Element	Flag	Samples Affected	Reason
Al, Zn	U	All positives > IDL, but < CRDL	Baseline instability
Ca, Fe, Na	U	All positives > IDL, but < 10X contaminant level	Positives in blanks
Tl	JN	All positives with Al or Fe concentrations in solution > 160,000 ug/L	Suspected positive interference as noted in the contractor ICS
Pb	J	All with Al or Fe concentrations in solution > 60,000 ug/L	Suspected over correction as noted in the contractor ICS
Se	J	All with Al or Fe concentrations in solution > 120,000 ug/L	Suspected over correction as noted in the contractor ICS
Sb	J	All	Matrix spike recovery = 71.4%
Se	U	MDJA02, 03, 06, & 07	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Ag	U	MDJA05	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Cd	U	MDJA06	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Sb	U	MDJA08	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
V	J	MDJA02	% RSD > 20% for ICP multiple exposures
K	J	MDJA04	% RSD > 20% for ICP multiple exposures
Ni	J	MDJA04, 05, 06, & 07	% RSD > 20% for ICP multiple exposures
Co	J	MDJA06 & 06	% RSD > 20% for ICP multiple exposures
As	J	MDJA05 & 08	Only analysis of 2X CRDL standard required by SOW for ICP analysis
Be	J	MDJA05, 07, & 08	Only analysis of 2X CRDL standard required by SOW for ICP analysis

# INORGANIC DATA QUALIFIERS REPORT (continued)

Case Number: 22582

Project Number: 94-0604

Site: Old Cherry Grove LF, Nixon Crossing, SC

Element	Flag	Samples Affected	Reason
Cd	J	MDJA05	Only analysis of 2X CRDL standard required by SOW for ICP analysis

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

SPECIFIED ANALYSIS DATA REPORT

```
*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88789 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 001-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 **
** CASE NO.: 22582 SAS NO.: D. NO.: JAO2 MD NO: JAO2 **
*** **
```

RESULTS UNITS PARAMETER  
2.8U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

SPECIFIED ANALYSIS DATA REPORT

```
*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88790 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 002-SS COLLECTION START: 08/24/94 1157 STOP: 00/00/00 **
** CASE NO.: 22582 SAS NO.: D. NO.: JA03 MD NO: JA03 **
** ** ** **
```

RESULTS UNITS PARAMETER  
2.9U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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10/07/94

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**      PROJECT NO. 94-0604  SAMPLE NO. 88791  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: F.M. CARNS  **
**      SOURCE: OLD CHERRY GROVE LF  CITY: NIXON CROS  ST: SC  **
**      STATION ID: 003-SS  COLLECTION START: 08/24/94  1207  STOP: 00/00/00  **
**      CASE NO.: 22582  SAS NO.:  D. NO.: JA04  MD NO: JA04  **
**      **
****

```

RESULTS	UNITS	PARAMETER
30	MG/KG	CYANIDE

\*\*\*FOOTNOTES\*\*\*  
 \*A-AVERAGE VALUE      \*NA-NOT ANALYZED      \*NAI-INTERFERENCES      \*J-ESTIMATED VALUE      \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN      \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

SPECIFIED ANALYSIS DATA REPORT

```
*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88792 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 004-SS COLLECTION START: 08/24/94 1222 STOP: 00/00/00 **
** CASE NO.: 22582 SAS NO.: D. NO.: JA05 MD NO: JA05 **
*** **
```

RESULTS UNITS PARAMETER  
3U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

10/07/94

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** PROJECT NO. 94-0604 SAMPLE NO. 88793 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC
** STATION ID: 005-SS COLLECTION START: 08/24/94 1129 STOP: 00/00/00
** CASE NO.: 22582 SAS NO.: D. NO.: JA06 MD NO: JA06
**
***

```

RESULTS	UNITS	PARAMETER
4.60	MG/KG	CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE      \*NA-NOT ANALYZED      \*NAI-INTERFERENCES      \*J-ESTIMATED VALUE      \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

SPECIFIED ANALYSIS DATA REPORT

```
*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88794 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 006-SS COLLECTION START: 08/24/94 1145 STOP: 00/00/00 **
** CASE NO.: 22582 SAS NO.: D. NO.: JAO7 MD NO: JAO7 **
** ** ** **
```

RESULTS UNITS PARAMETER  
4.7U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

10/07/94

```

***
** PROJECT NO. 94-0604 SAMPLE NO. 88795 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC
** STATION ID: 007-SS COLLECTION START: 08/24/94 1155 STOP: 00/00/00
** CASE NO.: 22582 SAS NO.: D. NO.: JA08 MD NO.: JA08
**
***

```

RESULTS	UNITS	PARAMETER
6.2U	MG/KG	CYANIDE

\*\*\* FOOTNOTES \*\*\*

FOOTNOTES\*\*\*  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

SPECIFIED ANALYSIS DATA REPORT

```
*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88796 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 008-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 **
** CASE NO.: 22582 SAS NO.: D. NO.: JA09 MD NO: JA09 **
*** **
```

RESULTS UNITS PARAMETER  
2.8U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

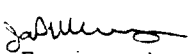
\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV  
Environmental Services Division  
College Station Road, Athens, Ga. 30613

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 10/08/94

SUBJECT: Results of Extractable Organic Analysis;  
94-0604 OLD CHERRY GROVE LF  
NIXON CRCS SC  
CASE NO: 22582

FROM: Charles E. Hooper   
Chief, Laboratory Evaluation/Quality Assurance Section

TO: JOHN CRISWELL

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

# ORGANIC DATA QUALIFIER REPORT

Case Number 22582      Project Number 94-0604      SAS Number  
 Site ID. Old Cherry Grove LF, Nixon Cros, SC

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
<u>Volatiles</u>			
88789, 88792, 88793,	4-methyl-2-pentanone	J	low internal standard recovery
	tetrachloroethene	J	low internal standard recovery
	1,1,2,2-tetrachloroethane	J	low internal standard recovery
	toluene	J	low internal standard recovery
	chlorobenzene	J	low internal standard recovery
	ethylbenzene	J	low internal standard recovery
	styrene	J	low internal standard recovery
	xylene	J	low internal standard recovery
	carbon disulfide	J	< quantitation limit
88794, 88795, 88796	1,1,1-trichloroethane	J	low internal standard recovery
	carbon tetrachloride	J	low internal standard recovery
	bromodichloromethane	J	low internal standard recovery
	1,2-dichloropropane	J	low internal standard recovery
	trans-1,3-dichloropropene	J	low internal standard recovery
	trichloroethene	J	low internal standard recovery
	dibromochloromethane	J	low internal standard recovery
	1,1,2-trichloroethane	J	low internal standard recovery
	benzene	J	low internal standard recovery
	cis-1,3-dichloropropene	J	low internal standard recovery
	bromoform	J	low internal standard recovery
	2-hexanone	J	low internal standard recovery
	4-methyl-2-pentanone	J	low internal standard recovery
	tetrachloroethene	J	low internal standard recovery
	1,1,2,2-tetrachloroethane	J	low internal standard recovery
	toluene	J	low internal standard recovery
	chlorobenzene	J	low internal standard recovery
	ethylbenzene	J	low internal standard recovery
	styrene	J	low internal standard recovery
	xylene	J	low internal standard recovery
88793, 88794, 88795	acetone	N	common lab contaminant
<u>Extractables</u>			
88792, 88794, 88795, 88796	di-n-octylphthalate	J	low internal standard recovery
	benzo(b/k)fluoranthene	J	low internal standard recovery
	benzo(a)pyrene	J	low internal standard recovery
	indeno(1,2,3-cd)pyrene	J	low internal standard recovery
	dibenz(a,h)anthracene	J	low internal standard recovery
	benzo(g,h,i)perylene	J	low internal standard recovery
88794	fluoranthene	J	< quantitation limit
88795	phenanthrene	J	< quantitation limit
	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit

## Pesticides

None



SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88789 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNES \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 001-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 \*\*  
\*\*

\*\*\* CASE NO.: 22582 SAS NO.: D. NO.: JA02 \*\*\*

UG/KG ANALYTICAL RESULTS

370U PHENOL  
370U BIS(2-CHLOROETHYL) ETHER  
370U 2-CHLOROPHENOL  
370U 1,3-DICHLOROBENZENE  
370U 1,4-DICHLOROBENZENE  
370U 1,2-DICHLOROBENZENE  
370U 2-METHYLPHENOL  
370U 2,2'-CHLOROISOPROPYLETHYR  
370U (3-AND/OR 4-)METHYLPHENOL  
370U N-NITROSODI-N-PROPYLAMINE  
370U HEXACHLOROEthane  
370U NITROBENZENE  
370U ISOPHORONE  
370U 2-NITROPHENOL  
370U 2,4-DIMETHYLPHENOL  
370U BIS(2-CHLOROETHOXY) METHANE  
370U 2,4-DICHLOROPHENOL  
370U 1,2,4-TRICHLOROBENZENE  
370U NAPHTHALENE  
370U 4-CHLOROANILINE  
370U HEXACHLOROBUTADIENE  
370U 4-CHLORO-3-METHYLPHENOL  
370U 2-METHYLNAPHTHALENE  
370U HEXACHLOROCYCLOPENTADIENE (HCCP)  
370U 2,4,6-TRICHLOROPHENOL  
890U 2,4,5-TRICHLOROPHENOL  
370U 2-CHLORONAPHTHALENE  
890U 2-NITROANILINE  
370U DIMETHYL PHTHALATE  
370U ACENAPHTHYLENE  
370U 2,6-DINITROTOLUENE

UG/KG ANALYTICAL RESULTS

890U 3-NITROANILINE  
370U ACENAPHTHENE  
890U 2,4-DINITROPHENOL  
890U 4-NITROPHENOL  
370U DIBENZOFURAN  
370U 2,4-DINITROTOLUENE  
370U DIETHYL PHTHALATE  
370U 4-CHLOROPHENYL PHENYL ETHER  
370U FLUORENE  
890U 4-NITROANILINE  
890U 2-METHYL-4,6-DINITROPHENOL  
370U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE  
370U 4-BROMOPHENYL PHENYL ETHER  
370U HEXACHLOROBENZENE (HCB)  
890U PENTACHLOROPHENOL  
370U PHENANTHRENE  
370U ANTHRACENE  
370U CARBAZOLE  
790U DI-N-BUTYL PHTHALATE  
370U FLUORANTHENE  
370U PYRENE  
370U BENZYL BUTYL PHTHALATE  
370U 3,3'-DICHLOROBENZIDINE  
370U BENZO(A)ANTHRACENE  
370U CHRYSENE  
1300U BIS(2-ETHYLHEXYL) PHTHALATE  
370U DI-N-OCTYL PHTHALATE  
370U BENZO(B AND/OR K)FLUORANTHENE  
370U BENZO-A-PYRENE  
370U INDENO (1,2,3-CD) PYRENE  
370U DIBENZO(A,H)ANTHRACENE  
370U BENZO(GH)PERYLENE  
11 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88790 SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNS
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC
** STATION ID: 002-SS   COLLECTION START: 08/24/94 1157 STOP: 00/00/00
**

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** CASE NO.: 22582   SAS NO.:   D. NO.: JAO3
*** **

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UG/KG                      ANALYTICAL RESULTS

```

370U PHENOL
370U BIS(2-CHLOROETHYL) ETHER
370U 2-CHLOROPHENOL
370U 1,3-DICHLOROBENZENE
370U 1,4-DICHLOROBENZENE
370U 1,2-DICHLOROBENZENE
370U 2-METHYLPHENOL
370U 2,2'-CHLOROISOPROPYLETHYR
370U (3-AND/OR 4-)METHYLPHENOL
370U N-NITROSODI-N-PROPYLAMINE
370U HEXACHLOROETHANE
370U NITROBENZENE
370U ISOPHORONE
370U 2-NITROPHENOL
370U 2,4-DIMETHYLPHENOL
370U BIS(2-CHLOROETHOXY) METHANE
370U 2,4-DICHLOROPHENOL
370U 1,2,4-TRICHLOROBENZENE
370U NAPHTHALENE
370U 4-CHLOROANILINE
370U HEXACHLOROBUTADIENE
370U 4-CHLORO-3-METHYLPHENOL
370U 2-METHYLNAPHTHALENE
370U HEXACHLOROCYCLOPENTADIENE (HCCP)
370U 2,4,6-TRICHLOROPHENOL
910U 2,4,5-TRICHLOROPHENOL
370U 2-CHLORONAPHTHALENE
910U 2-NITROANILINE
370U DIMETHYL PHTHALATE
370U ACENAPHTHYLENE
370U 2,6-DINITROTOLUENE

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UG/KG                      ANALYTICAL RESULTS

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910U 3-NITROANILINE
370U ACENAPHTHENE
910U 2,4-DINITROPHENOL
910U 4-NITROPHENOL
370U DIBENZOFURAN
370U 2,4-DINITROTOLUENE
370U DIETHYL PHTHALATE
370U 4-CHLOROPHENYL PHENYL ETHER
370U FLUORENE
910U 4-NITROANILINE
910U 2-METHYL-4,6-DINITROPHENOL
370U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
370U 4-BROMOPHENYL PHENYL ETHER
370U HEXACHLOROBENZENE (HCB)
910U PENTACHLOROPHENOL
370U PHENANTHRENE
370U ANTHRACENE
370U CARBAZOLE
1600U DI-N-BUTYLPHTHALATE
370U FLUORANTHENE
370U PYRENE
370U BENZYL BUTYL PHTHALATE
370U 3,3'-DICHLOROBENZIDINE
370U BENZO(A)ANTHRACENE
370U CHRYSENE
3200 BIS(2-ETHYLHEXYL) PHTHALATE
370U DI-N-OCTYLPHTHALATE
370U BENZO(B AND/OR K)FLUORANTHENE
370U BENZO-A-PYRENE
370U INDENO (1,2,3 CD) PYRENE
370U DIBENZO(A,H)ANTHRACENE
370U BENZO(GH)PERYLENE
14 PERCENT MOISTURE

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\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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*A-AVERAGE VALUE   *NA-NOT ANALYZED   *NAI-INTERFERENCES   *J-ESTIMATED VALUE   *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN   *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

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***
** PROJECT NO. 94-0604   SAMPLE NO. 88791   SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNS   **
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC   **
** STATION ID: 003-SS   COLLECTION START: 08/24/94   1207   STOP: 00/00/00   **
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** CASE NO.: 22582   SAS NO.:   D. NO.: JA04   **
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UG/KG                      ANALYTICAL RESULTS

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390U PHENOL
390U BIS(2-CHLOROETHYL) ETHER
390U 2-CHLOROPHENOL
390U 1,3-DICHLOROBENZENE
390U 1,4-DICHLOROBENZENE
390U 1,2-DICHLOROBENZENE
390U 2-METHYLPHENOL
390U 2,2'-CHLOROISOPROPYLETH
390U (3-AND/OR 4-)METHYLPHENOL
390U N-NITROSODI-N-PROPYLAMINE
390U HEXACHLOROETHANE
390U NITROBENZENE
390U ISOPHORONE
390U 2-NITROPHENOL
390U 2,4-DIMETHYLPHENOL
390U BIS(2-CHLOROETHOXY) METHANE
390U 2,4-DICHLOROPHENOL
390U 1,2,4-TRICHLOROBENZENE
390U NAPHTHALENE
390U 4-CHLOROANILINE
390U HEXACHLOROBUTADIENE
390U 4-CHLORO-3-METHYLPHENOL
390U 2-METHYLNAPHTHALENE
390U HEXACHLOROCYCLOPENTADIENE (HCCP)
390U 2,4,6-TRICHLOROPHENOL
390U 2,4,5-TRICHLOROPHENOL
390U 2-CHLORONAPHTHALENE
390U 2-NITROANILINE
390U DIMETHYL PHTHALATE
390U ACENAPHTHYLENE
390U 2,6-DINITROTOLUENE

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UG/KG                      ANALYTICAL RESULTS

```

930U 3-NITROANILINE
390U ACENAPHTHENE
930U 2,4-DINITROPHENOL
930U 4-NITROPHENOL
390U DIBENZOFURAN
390U 2,4-DINITROTOLUENE
390U DIETHYL PHTHALATE
390U 4-CHLOROPHENYL PHENYL ETHER
390U FLUORENE
930U 4-NITROANILINE
930U 2-METHYL-4,6-DINITROPHENOL
390U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
390U 4-BROMOPHENYL PHENYL ETHER
390U HEXACHLOROBENZENE (HCB)
930U PENTACHLOROPHENOL
390U PHENANTHRENE
390U ANTHRACENE
390U CARBAZOLE
390U DI-N-BUTYL PHTHALATE
390U FLUORANTHENE
390U PYRENE
390U BENZYL BUTYL PHTHALATE
390U 3,3'-DICHLOROBENZIDINE
390U BENZO(A)ANTHRACENE
390U CHRYSENE
2200U BIS(2-ETHYLHEXYL) PHTHALATE
390U DI-N-OCTYL PHTHALATE
390U BENZO(B AND/OR K)FLUORANTHENE
390U BENZO-A-PYRENE
390U INDENO (1,2,3-CD) PYRENE
390U DIBENZO(A,H)ANTHRACENE
390U BENZO(GHI)PERYLENE
16 PERCENT MOISTURE

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\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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*A-AVERAGE VALUE   *NA-NOT ANALYZED   *NAI-INTERFERENCES   *J-ESTIMATED VALUE   *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN   *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88792 SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNIS   **
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC   **
** STATION ID: 004-SS   COLLECTION START: 08/24/94 1222 STOP: 00/00/00   **
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** CASE NO.: 22582   SAS NO.:   D. NO.: JA05   **
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UG/KG ANALYTICAL RESULTS

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400U PHENOL
400U BIS(2-CHLOROETHYL) ETHER
400U 2-CHLOROPHENOL
400U 1,3-DICHLOROBENZENE
400U 1,4-DICHLOROBENZENE
400U 1,2-DICHLOROBENZENE
400U 2-METHYLPHENOL
400U 2,2'-CHLOROISOPROPYLETHYR
400U (3-AND/OR 4-)METHYLPHENOL
400U N-NITROSODI-N-PROPYLAMINE
400U HEXACHLOROCYCLOHEPTANE
400U NITROBENZENE
400U ISOPHORONE
400U 2-NITROPHENOL
400U 2,4-DIMETHYLPHTHALATE
400U BIS(2-CHLOROETHOXY) METHANE
400U 2,4-DICHLOROPHENOL
400U 1,2,4-TRICHLOROBENZENE
400U NAPHTHALENE
400U 4-CHLOROANILINE
400U HEXACHLOROBUTADIENE
400U 4-CHLORO-3-METHYLPHENOL
400U 2-METHYLNAPHTHALENE
400U HEXACHLOROCYCLOPENTADIENE (HCCP)
400U 2,4,6-TRICHLOROPHENOL
960U 2,4,5-TRICHLOROPHENOL
400U 2-CHLORONAPHTHALENE
960U 2-NITROANILINE
400U DIMETHYL PHTHALATE
400U ACENAPHTHYLENE
400U 2,6-DINITROTOLUENE

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UG/KG ANALYTICAL RESULTS

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960U 3-NITROANILINE
960U ACENAPHTHENE
960U 2,1-DINITROPHENOL
400U 4-NITROPHENOL
400U DIBENZOFURAN
400U 2,4-DINITROTOLUENE
400U DIETHYL PHTHALATE
400U 4-CHLOROPHENYL PHENYL ETHER
960U FLUORENE
960U 4-NITROANILINE
400U 2-METHYL-4,6-DINITROPHENOL
400U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
400U 4-BROMOPHENYL PHENYL ETHER
960U HEXACHLOROBENZENE (HCB)
400U PENTACHLOROPHTHALATE
400U PHENANTHRENE
400U ANTHRACENE
400U CARBAZOLE
400U DI-N-BUTYLPHTHALATE
400U FLUORANTHENE
400U PYRENE
400U BENZYL BUTYL PHTHALATE
400U 3,3'-DICHLOROBENZIDINE
400U BENZO(A)ANTHRACENE
400U CHRYSENE
2700U BIS(2-ETHYLHEXYL) PHTHALATE
400UJ DI-N-OCTYLPHTHALATE
400UJ BENZO(B AND/OR K)FLUORANTHENE
400UJ BENZO-A-PYRENE
400UJ INDENO (1,2,3 CD) PYRENE
400UJ DIBENZO(A,H)ANTHRACENE
400UJ BENZO(GH)PERYLENE
19 PERCENT MOISTURE

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\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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*A-AVERAGE VALUE   *NA-NOT ANALYZED   *NAI-INTERFERENCES   *J-ESTIMATED VALUE   *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN   *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

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*** * * * *
** PROJECT NO. 94-0604 SAMPLE NO. 88793 SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNS   **
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC   **
** STATION ID: 005-SS   COLLECTION START: 08/24/94 1129 STOP: 00/00/00   **
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** CASE NO.: 22582   SAS NO.:   D. NO.: JA06   **
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UG/KG                      ANALYTICAL RESULTS

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530U PHENOL
530U BIS(2-CHLOROETHYL) ETHER
530U 2-CHLOROPHENOL
530U 1,3-DICHLOROBENZENE
530U 1,4-DICHLOROBENZENE
530U 1,2-DICHLOROBENZENE
530U 2-METHYLPHENOL
530U 2,2'-CHLOROISOPROPYLETHER
530U (3-AND/OR 4-)METHYLPHENOL
530U N-NITROSODI-N-PROPYLAMINE
530U HEXACHLOROETHANE
530U NITROBENZENE
530U ISOPHORONE
530U 2-NITROPHENOL
530U 2,4 DIMETHYLPHENOL
530U BIS(2-CHLOROETHOXY) METHANE
530U 2,4-DICHLOROPHENOL
530U 1,2,4-TRICHLOROBENZENE
530U NAPHTHALENE
530U 4-CHLOROANILINE
530U HEXACHLOROBUTADIENE
530U 4-CHLORO-3-METHYLPHENOL
530U 2-METHYLNAPHTHALENE
530U HEXACHLOROCYCLOPENTADIENE (HCCP)
530U 2,4,6-TRICHLOROPHENOL
1300U 2,4,5-TRICHLOROPHENOL
530U 2-CHLORONAPHTHALENE
1300U 2-NITROANILINE
530U DIMETHYL PHTHALATE
530U ACENAPHTHYLENE
530U 2,6-DINITROTOLUENE

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UG/KG                      ANALYTICAL RESULTS

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1300U 3-NITROANILINE
530U ACENAPHTHENE
1300U 2,4-DINITROPHENOL
1300U 4-NITROPHENOL
530U DIBENZOFURAN
530U 2,4-DINITROTOLUENE
530U DIETHYL PHTHALATE
530U 4-CHLOROPHENYL PHENYL ETHER
530U FLUORENE
1300U 4-NITROANILINE
1300U 2-METHYL-4,6-DINITROPHENOL
530U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
530U 4-BROMOPHENYL PHENYL ETHER
530U HEXACHLOROBENZENE (HCB)
1300U PENTACHLOROPHENOL
530U PHENANTHRENE
530U ANTHRACENE
530U CARBAZOLE
530U DI-N-BUTYLPHTHALATE
530U FLUORANTHENE
530U PYRENE
530U BENZYL BUTYL PHTHALATE
530U 3,3'-DICHLOROBENZIDINE
530U BENZO(A)ANTHRACENE
530U CHRYSENE
530U BIS(2-ETHYLHEXYL) PHTHALATE
530U DI-N-OCTYLPHTHALATE
530U BENZO(B AND/OR K)FLUORANTHENE
530U BENZO-A-PYRENE
530U INDENO (1,2,3-CD) PYRENE
530U DIBENZO(A,H)ANTHRACENE
530U BENZO(GH)PERYLENE
40 PERCENT MOISTURE

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\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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*A-AVERAGE VALUE   *NA-NOT ANALYZED   *NAI-INTERFERENCES   *J-ESTIMATED VALUE   *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN   *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

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*** * * * *
** PROJECT NO. 94-0604 SAMPLE NO. 88794 SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNs   **
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC   **
** STATION ID: 006-SS   COLLECTION START: 08/24/94 1145 STOP: 00/00/00   **
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** CASE NO.: 22582   SAS NO.:   D. NO.: JA07   **
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UG/KG                      ANALYTICAL RESULTS

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580U PHENOL
580U BIS(2-CHLOROETHYL) ETHER
580U 2-CHLOROPHENOL
580U 1,3-DICHLOROBENZENE
580U 1,4-DICHLOROBENZENE
580U 1,2-DICHLOROBENZENE
580U 2-METHYLPHENOL
580U 2,2'-CHLOROISOPROPYLETHYR
580U (3-AND/OR 4-)METHYLPHENOL
580U N-NITROSODI-N-PROPYLAMINE
580U HEXACHLOROETHANE
580U NITROBENZENE
580U ISOPHORONE
580U 2-NITROPHENOL
580U 2,4-DIMETHYLPHENOL
580U BIS(2-CHLOROETHOXY) METHANE
580U 2,4-DICHLOROPHENOL
580U 1,2,4-TRICHLOROBENZENE
580U NAPHTHALENE
580U 4-CHLOROANILINE
580U HEXACHLOROBUTADIENE
580U 4-CHLORO-3-METHYLPHENOL
580U 2-METHYLNAPHTHALENE
580U HEXACHLOROCYCLOPENTADIFNE (HCCP)
580U 2,4,6-TRICHLOROPHENOL
1400U 2,4,5-TRICHLOROPHENOL
580U 2-CHLORONAPHTHALENE
1400U 2-NITROANILINE
580U DIMETHYL PHTHALATE
580U ACENAPHTHYLENE
580U 2,6-DINITROTOLUENE

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UG/KG                      ANALYTICAL RESULTS

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1400U 3-NITROANILINE
580U ACENAPHTHENE
1400U 2,4-DINITROPHENOL
1400U 4-NITROPHENOL
580U DIBENZOFURAN
580U 2,4-DINITROTOLUENE
580U DIETHYL PHTHALATE
580U 4-CHLOROPHENYL PHENYL ETHER
580U FLUORENE
1400U 4-NITROANILINE
1400U 2-METHYL-4,6-DINITROPHENOL
580U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
580U 4-BROMOPHENYL PHENYL ETHER
580U HEXACHLOROBENZENE (HCB)
1400U PENTACHLOROPHENOL
580U PHENANTHRENE
580U ANTHRACENE
580U CARBAZOLE
580U DI-N-BUTYLPHTHALATE
72J FLUORANTHENE
580U PYRENE
580U BENZYL BUTYL PHTHALATE
580U 3,3'-DICHLOROBENZIDINE
580U BENZO(A)ANTHRACENE
580U CHRYSENE
700U BIS(2-ETHYLHEXYL) PHTHALATE
580UJ DI-N-OCTYLPHTHALATE
580UJ BENZO(B AND/OR K)FLUORANTHENE
580UJ BENZO-A-PYRENE
580UJ INDENO (1,2,3-CD) PYRENE
580UJ DIBENZO(A,H)ANTHRACENE
580UJ BENZO(GH)PERYLENE
43 PERCENT MOISTURE

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\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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*A-AVERAGE VALUE   *NA-NOT ANALYZED   *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88795 SAMPLE TYPE: SOIL      PROG ELEM: NSF COLLECTED BY: F.M. CARNS
** SOURCE: OLD CHERRY GROVE LF      CITY: NIXON CROS      ST: SC
** STATION ID: 007-SS      COLLECTION START: 08/24/94 1155 STOP: 00/00/00
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** CASE NO.: 22582      SAS NO.:      D. NO.: JA08
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UG/KG ANALYTICAL RESULTS

820U PHENOL  
820U BIS(2-CHLOROETHYL) ETHER  
820U 2-CHLOROPHENOL  
820U 1,3-DICHLOROBENZENE  
820U 1,4-DICHLOROBENZENE  
820U 1,2-DICHLOROBENZENE  
820U 2-METHYLPHENOL  
820U 2,2'-CHLOROISOPROPYLETHYR  
820U (3-AND/OR 4-)METHYLPHENOL  
820U N-NITROSODI-N-PROPYLAMINE  
820U HEXACHLOROCYCLOHEPTANE  
820U NITROBENZENE  
820U ISOPHORONE  
820U 2-NITROPHENOL  
820U 2,4-DIMETHYLPHENOL  
820U BIS(2-CHLOROETHOXY) METHANE  
820U 2,4-DICHLOROPHENOL  
820U 1,2,4-TRICHLOROBENZENE  
820U NAPHTHALENE  
820U 4-CHLOROANILINE  
820U HEXACHLOROBUTADIENE  
820U 4-CHLORO-3-METHYLPHENOL  
820U 2-METHYLNAPHTHALENE  
820U HEXACHLOROCYCLOPENTADIENE (HCCP)  
820U 2,4,6-TRICHLOROPHENOL  
2000U 2,4,5-TRICHLOROPHENOL  
820U 2-CHLORONAPHTHALENE  
2000U 2-NITROANILINE  
820U DIMETHYL PHTHALATE  
820U ACENAPHTHYLENE  
820U 2,6-DINITROTOLUENE

UG/KG ANALYTICAL RESULTS

2000U 3-NITROANILINE  
820U ACENAPHTHENE  
2000U 2,4-DINITROPHENOL  
2000U 4-NITROPHENOL  
820U DIBENZOFURAN  
820U 2,4-DINITROTOLUENE  
820U DIETHYL PHTHALATE  
820U 4-CHLOROPHENYL PHENYL ETHER  
820U FLUORENE  
2000U 4-NITROANILINE  
2000U 2-METHYL-4,6-DINITROPHENOL  
820U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE  
820U 4-BROMOPHENYL PHENYL ETHER  
820U HEXACHLOROBENZENE (HCB)  
2000U PENTACHLOROPHENOL  
230J PHENANTHRENE  
820U ANTHRACENE  
820U CARBAZOLE  
820U DI-N-BUTYLPHTHALATE  
320J FLUORANTHENE  
540J PYRENE  
820U BENZYL BUTYL PHTHALATE  
820U 3,3'-DICHLOROBENZIDINE  
820U BENZO(A)ANTHRACENE  
820U CHRYSENE  
820U BIS(2-ETHYLHEXYL) PHTHALATE  
820UJ DI-N-OCTYLPHTHALATE  
200J BENZO(B AND/OR K)FLUORANTHENE  
820UJ BENZO-A-PYRENE  
820UJ INDENO (1,2,3-CD) PYRENE  
820UJ DIBENZO(A,H)ANTHRACENE  
820UJ BENZO(GH)PERYLENE  
60 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88796 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNES **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 008-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 **
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** CASE NO.: 22582 SAS NO.: D. NO.: JA09 **
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UG/KG ANALYTICAL RESULTS

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370U PHENOL
370U BIS(2-CHLOROETHYL) ETHER
370U 2-CHLOROPHENOL
370U 1,3-DICHLOROBENZENE
370U 1,4-DICHLOROBENZENE
370U 1,2-DICHLOROBENZENE
370U 2-METHYLPHENOL
370U 2,2'-CHLOROISOPROPYLETHYR
370U (3-AND/OR 4-)METHYLPHENOL
370U N-NITROSODI-N-PROPYLAMINE
370U HEXACHLOROETHANE
370U NITROBENZENE
370U ISOPHORONE
370U 2-NITROPHENOL
370U 2,4-DIMETHYLPHENOL
370U BIS(2-CHLOROETHOXY) METHANE
370U 2,4-DICHLOROPHENOL
370U 1,2,4-TRICHLOROBENZENE
370U NAPHTHALENE
370U 4-CHLOROANILINE
370U HEXACHLOROBUTADIENE
370U 4-CHLORO-3-METHYLPHENOL
370U 2-METHYLNAPHTHALENE
370U HEXACHLOROCYCLOPENTADIENE (HCCP)
370U 2,4,6-TRICHLOROPHENOL
900U 2,4,5-TRICHLOROPHENOL
370U 2-CHLORONAPHTHALENE
900U 2-NITROANILINE
370U DIMETHYL PHTHALATE
370U ACENAPHTHYLENE
370U 2,6-DINITROTOLUENE

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UG/KG ANALYTICAL RESULTS

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900U 3-NITROANILINE
370U ACENAPHTHENE
900U 2,4-DINITROPHENOL
900U 4-NITROPHENOL
370U DIBENZOFURAN
370U 2,4-DINITROTOLUENE
370U DIETHYL PHTHALATE
370U 4-CHLOROPHENYL PHENYL ETHER
370U FLUORENE
900U 4-NITROANILINE
900U 2-METHYL-4,6-DINITROPHENOL
370U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
370U 4-BROMOPHENYL PHENYL ETHER
370U HEXACHLOROBENZENE (HCB)
900U PENTACHLOROPHENOL
370U PHENANTHRENE
370U ANTHRACENE
370U CARBAZOLE
370U DI-N-BUTYL PHTHALATE
370U FLUORANTHENE
370U PYRENE
370U BENZYL BUTYL PHTHALATE
370U 3,3'-DICHLOROBENZIDINE
370U BENZO(A)ANTHRACENE
370U CHRYSENE
620U BIS(2-ETHYLHEXYL) PHTHALATE
370UJ DI-N-OCTYL PHTHALATE
370UJ BENZO(B AND/OR K)FLUORANTHENE
370UJ BENZO-A-PYRENE
370UJ INDENO (1,2,3-CD) PYRENE
370UJ DIBENZO(A,H)ANTHRACENE
370UJ BENZO(GH)PERYLENE
12 PERCENT MOISTURE

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\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88789 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 001-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 22582 SAS NO.: D. NO.: JAO2 MD NO: JAO2 \*\*  
\*\* \*\*

ANALYTICAL RESULTS UG/KG

10000J 14 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

```
*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88791 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNs **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 003-SS COLLECTION START: 08/24/94 1207 STOP: 00/00/00 **
** CASE NO.: 22582 SAS NO.: D. NO.: JA04 MD NO: JA04 **
** ** ** **
```

ANALYTICAL RESULTS UG/KG

200JN TETRAMETHYLPHENANTHRENE  
4000J 6 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88792 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 004-SS COLLECTION START: 08/24/94 1222 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 22582 SAS NO.: D. NO.: JA05 MD NO: JA05 \*\*  
\*\* \*\*

ANALYTICAL RESULTS UG/KG

20000J 8 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88793 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNES \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 005-SS COLLECTION START: 08/24/94 1129 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 22582 SAS NO.: D. NO.: JA06 MD NO: JA06 \*\*  
\*\* \*\*

ANALYTICAL RESULTS UG/KG

20000J 8 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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10/07/94

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** PROJECT NO. 94-0604 SAMPLE NO. 88794 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC
** STATION ID: 006-SS COLLECTION START: 08/24/94 1145 STOP: 00/00/00
** CASE NO.: 22582 SAS NO.: D. NO.: JAO7 MD NO: JAO7
**

```

1000JN CINNAMYL CINNAMATE  
40000J 16 UNIDENTIFIED COMPOUNDS

\*A-AVERAGE VALUE      \*NA-NOT ANALYZED      \*NAI-INTERFERENCES      \*J-ESTIMATED VALUE      \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN      \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88795 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 007-SS COLLECTION START: 08/24/94 1155 STOP: 00/00/00 **
** CASE NO.: 22582 SAS NO.: D. NO.: JA08 MD NO: JA08 **
** ***
```

ANALYTICAL RESULTS UG/KG

60000J 13 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88796 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 008-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 22582 SAS NO.: D. NO.: JA09 MD NO: JA09 \*\*  
\*\* \*\*

ANALYTICAL RESULTS UG/KG

100JN TETRAMETHYLPHENANTHRENE  
300JN CINNAMYL CINNAMATE  
10000J 7 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

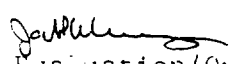
\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV  
Environmental Services Division  
College Station Road, Athens, Ga. 30613

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 10/08/94

SUBJECT: Results of Metals Analysis;  
94-0604 OLD CHERRY GROVE LF  
NIXON CRCS SC  
CASE NO: 22582

FROM: Charles E. Hooper   
Chief, Laboratory Evaluation/Quality Assurance Section

TO: JOHN CRISWELL

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT



# INORGANIC DATA QUALIFIERS REPORT

Case Number: 22582

Project Number: 94-0604

Site: Old Cherry Grove LF, Nixon Crossing, SC

Element	Flag	Samples Affected	Reason
Al, Zn	U	All positives > IDL, but < CRDL	Baseline instability
Ca, Fe, Na	U	All positives > IDL, but < 10X contaminant level	Positives in blanks
Tl	JN	All positives with Al or Fe concentrations in solution > 160,000 ug/L	Suspected positive interference as noted in the contractor ICS
Pb	J	All with Al or Fe concentrations in solution > 60,000 ug/L	Suspected over correction as noted in the contractor ICS
Se	J	All with Al or Fe concentrations in solution > 120,000 ug/L	Suspected over correction as noted in the contractor ICS
Sb	J	All	Matrix spike recovery = 71.4%
Se	U	MDJA02, 03, 06, & 07	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Ag	U	MDJA05	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Cd	U	MDJA06	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Sb	U	MDJA08	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
V	J	MDJA02	% RSD > 20% for ICP multiple exposures
K	J	MDJA04	% RSD > 20% for ICP multiple exposures
Ni	J	MDJA04, 05, 06, & 07	% RSD > 20% for ICP multiple exposures
Co	J	MDJA06 & 06	% RSD > 20% for ICP multiple exposures
As	J	MDJA05 & 08	Only analysis of 2X CRDL standard required by SOW for ICP analysis
Be	J	MDJA05, 07, & 08	Only analysis of 2X CRDL standard required by SOW for ICP analysis

# INORGANIC DATA QUALIFIERS REPORT (continued)

Case Number: 22582

Project Number: 94-0604

Site: Old Cherry Grove LF, Nixon Crossing, SC

Element	Flag	Samples Affected	Reason
Cd	J	MDJA05	Only analysis of 2X CRDL standard required by SOW for ICP analysis

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

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*** **
** PROJECT NO. 94-0604   SAMPLE NO. 88789   SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNS   **
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC   **
** STATION ID: 001-SS   COLLECTION START: 08/24/94   1130   STOP: 00/00/00   **
** CASE NUMBER: 22582   SAS NUMBER:   MD NUMBER: JA02   **
**

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MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
780	ALUMINUM	1	MANGANESE
2.7UJ	ANTIMONY	0.11U	MERCURY
0.57U	ARSENIC	1.1U	NICKEL
5.1	BARIUM	90U	POTASSIUM
0.04U	BERYLLIUM	1U	SELENIUM
0.51U	CADMIUM	0.38U	SILVER
120	CALCIUM	66	SODIUM
1.7	CHROMIUM	1.3U	THALLIUM
0.46U	COBALT	NA	TIN
7.95	COPPER	0.93J	VANADIUM
90	IRON	2U	ZINC
5.1	LEAD	12	PERCENT MOISTURE
24	MAGNESIUM		

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

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***
** PROJECT NO. 94-0604  SAMPLE NO. 88790  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: F.M. CARNS
** SOURCE: OLD CHERRY GROVE LF  CITY: NIXON CROS  ST: SC
** STATION ID: 002-SS  COLLECTION START: 08/24/94  1157  STOP: 00/00/00
** CASE NUMBER: 22582  SAS NUMBER:  MD NUMBER: JAO3
**

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MG/KG		ANALYTICAL RESULTS		MG/KG		ANALYTICAL RESULTS	
1000	ALUMINUM			1.3	MANGANESE		
2.8UJ	ANTIMONY			0.10U	MERCURY		
0.60U	ARSENIC			1.2U	NICKEL		
2.5	BARIUM			90U	POTASSIUM		
0.05U	BERYLLIUM			1U	SELENIUM		
0.53U	CADMIUM			0.39U	SILVER		
89	CALCIUM			20U	SODIUM		
1.9	CHROMIUM			1.3U	THALLIUM		
0.48U	COBALT			NA	TIN		
.5	COPPER			2.7	VANADIUM		
.70	IRON			3U	ZINC		
4.2	LEAD			13	PERCENT MOISTURE		
17	MAGNESIUM						

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88791 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 003-SS COLLECTION START: 08/24/94 1207 STOP: 00/00/00 **
** CASE NUMBER: 22582 SAS NUMBER: MD NUMBER: JA04 **
**

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MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
1600	ALUMINUM	7.2	MANGANESE
2.9UJ	ANTIMONY	0.11U	MERCURY
0.62U	ARSENIC	1.2J	NICKEL
5.6	BARIUM	110J	POTASSIUM
0.05U	BERYLLIUM	0.57U	SELENIUM
0.54U	CADMIUM	0.40U	SILVER
780	CALCIUM	30U	SODIUM
3.8	CHROMIUM	1.3U	THALLIUM
0.50U	COBALT	NA	TIN
4	COPPER	4.9	VANADIUM
760	IRON	10	ZINC
5.6	LEAD	17	PERCENT MOISTURE
72	MAGNESIUM		

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

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*** **
** PROJECT NO. 94-0604   SAMPLE NO. 88792   SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNIS   **
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC   **
** STATION ID: 004-SS   COLLECTION START: 08/24/94   1222   STOP: 00/00/00   **
** CASE NUMBER: 22582   SAS NUMBER:   MD NUMBER: JA05   **
**

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MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
5200	ALUMINUM	140	MANGANESE
30J	ANTIMONY	0.12U	MERCURY
2.3J	ARSENIC	5.1J	NICKEL
36	BARIUM	100U	POTASSIUM
0.05J	BERYLLIUM	0.58U	SELENIUM
1J	CADMIUM	1U	SILVER
2400	CALCIUM	29	SODIUM
15	CHROMIUM	1.4U	THALLIUM
1.9	COBALT	NA	TIN
34	COPPER	6.3	VANADIUM
15000	IRON	330	ZINC
100J	LEAD	17	PERCENT MOISTURE
190	MAGNESIUM		

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88793 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 005-SS COLLECTION START: 08/24/94 1129 STOP: 00/00/00 **
** CASE NUMBER: 22582 SAS NUMBER: MD NUMBER: JA06 **
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*** **
MG/KG ANALYTICAL RESULTS
1400 ALUMINUM
1.6UJ ANTIMONY
0.96U ARSENIC
12 BARIUM
0.07U BERYLLIUM
2U CADMIUM
7100 CALCIUM
2.5 CHROMIUM
0.85J COBALT
9.8 COPPER
140 IRON
7.6 LEAD
130 MAGNESIUM

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*** **
MG/KG ANALYTICAL RESULTS
40 MANGANESE
0.15U MERCURY
2.3J NICKEL
150U POTASSIUM
2U SELENIUM
0.62U SILVER
38 SODIUM
2.1U THALLIUM
NA TIN
2.6 VANADIUM
100 ZINC
46 PERCENT MOISTURE

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\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

\*\*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88794 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 006-SS COLLECTION START: 08/24/94 1145 STOP: 00/00/00 \*\*  
\*\* CASE NUMBER: 22582 SAS NUMBER: MD NUMBER: JA07 \*\*  
\*\*

MG/KG ANALYTICAL RESULTS		MG/KG ANALYTICAL RESULTS	
6500	ALUMINUM	58	MANGANESE
4.60J	ANTIMONY	0.18U	MERCURY
0.96U	ARSENIC	2.9J	NICKEL
35	BARIUM	330	POTASSIUM
0.20J	BERYLLIUM	2U	SELENIUM
0.85U	CADMIUM	0.63U	SILVER
5800	CALCIUM	61	SODIUM
6	CHROMIUM	2.1U	THALLIUM
0.88J	COBALT	NA	TIN
1	COPPER	6.9	VANADIUM
/200	IRON	26	ZINC
17	LEAD	47	PERCENT MOISTURE
590	MAGNESIUM		

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.



SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

\*\*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88795 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 007-SS COLLECTION START: 08/24/94 1155 STOP: 00/00/00 \*\*  
\*\* CASE NUMBER: 22582 SAS NUMBER: MD NUMBER: JA08 \*\*  
\*\*

MG/KG ANALYTICAL RESULTS		MG/KG ANALYTICAL RESULTS	
13000	ALUMINUM	210	MANGANESE
70J	ANTIMONY	0.23U	MERCURY
2.1J	ARSENIC	6.1	NICKEL
83	BARIUM	410	POTASSIUM
0.30J	BERYLLIUM	2.6	SELENIUM
1.1U	CADMIUM	0.84U	SILVER
17000	CALCIUM	220	SODIUM
12	CHROMIUM	2.8U	THALLIUM
2.8	COBALT	NA	TIN
13	COPPER	14	VANADIUM
1800	IRON	180	ZINC
32	LEAD	60	PERCENT MOISTURE
730	MAGNESIUM		

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

\*\*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88796 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 008-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 \*\*  
\*\* CASE NUMBER: 22582 SAS NUMBER: MD NUMBER: JAO9 \*\*  
\*\*\*

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
1000	ALUMINUM	2	MANGANESE
2.80U	ANTIMONY	0.11U	MERCURY
0.58U	ARSENIC	1.2U	NICKEL
4.8	BARIUM	90U	POTASSIUM
0.04U	BERYLLIUM	0.54U	SELENIUM
0.52U	CADMIUM	0.38U	SILVER
120	CALCIUM	69	SODIUM
1.7	CHROMIUM	1.3U	THALLIUM
0.47U	COBALT	NA	TIN
1.1	COPPER	1.3	VANADIUM
450	IRON	3U	ZINC
5	LEAD	11	PERCENT MOISTURE
34	MAGNESIUM		

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

Ref 11

**SAMPLING PLAN  
SCREENING SITE INVESTIGATION  
OLD CHERRY GROVE LANDFILL  
SCD 987 597 432**

**Prepared By: Greg George  
Site Screening Section  
Bureau of Solid and Hazardous Waste Management  
South Carolina Department of Health and Environmental Control  
2600 Bull Street  
Columbia, South Carolina 29201**

**Date: August 24, 1994**

**cc: Harold Seabrook  
Bubba Carnes  
Waccamaw District, EQC**

## **BACKGROUND**

### **Permits and Authorization Requirements**

Permission to sample has been obtained from Alvis Whitlock (901) 763-6702 of International Paper. Sampling activities will take place on August 24, 1994.

### **Site History and Description**

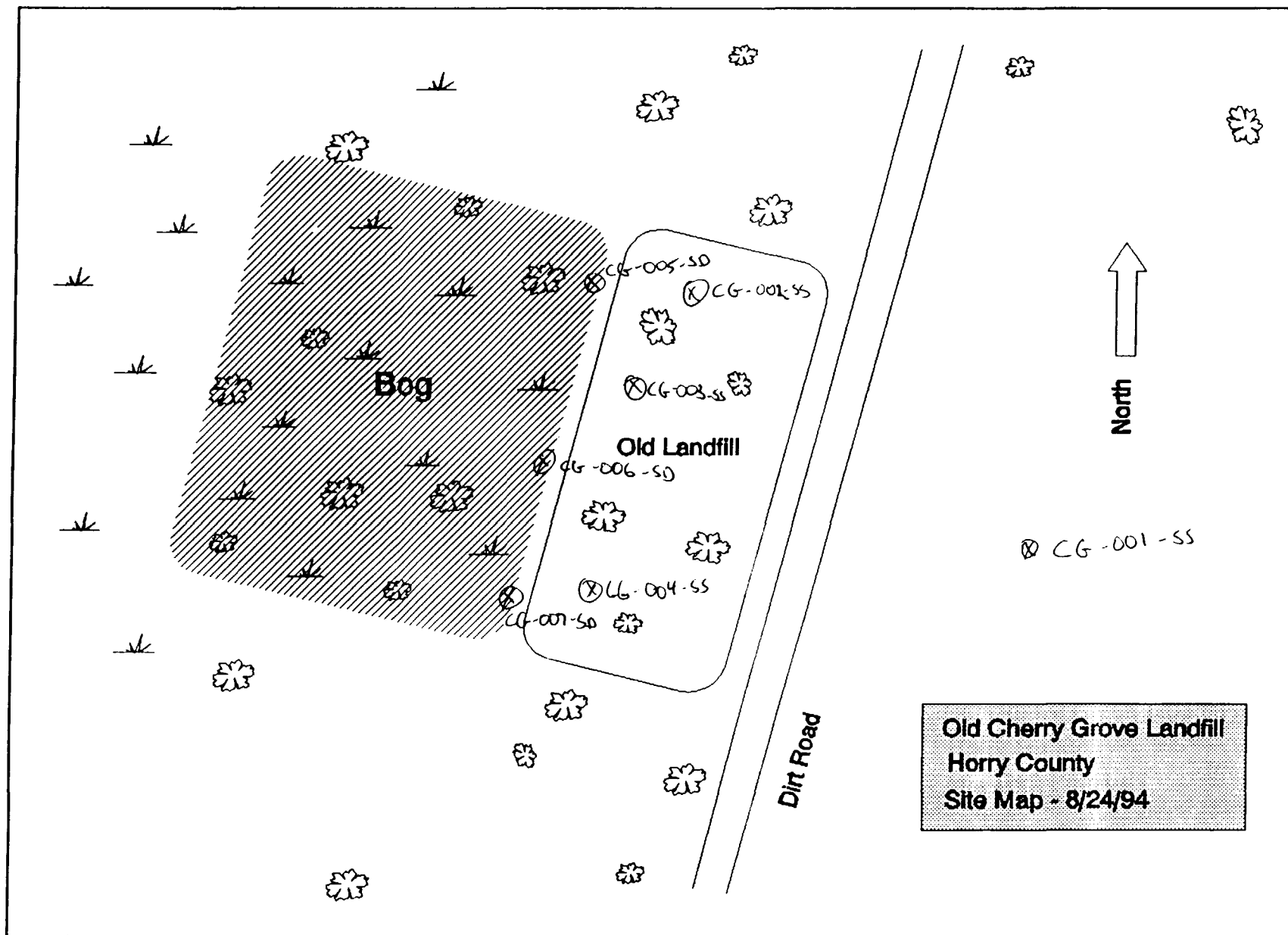
Old Cherry Grove Landfill is located just over three miles northwest of Cherry Grove in Horry County, South Carolina. It is located one mile to the west of South Carolina State Highway 9. The site is in a rural setting atop wetlands and among woodlands. A few individual dwellings and farms surround the landfill. The site coordinates are 33 degrees 51 minutes 56.1 seconds north latitude, and 78 degrees 40 minutes 56.2 seconds west longitude.

The total area of the property is 413 acres. The landfill is located on 17 acres of the 413 acre parcel. The landfill was a municipal landfill without a maintained daily cover. Scatter debris is visible on the surface. The property is not surrounded by a maintained fence. The topography is generally flat with a slight slope westward. There is not a well defined run-off pathway. Instead, water flows westward into a low boggy area.

The facility was in operation for a four year period from the early 1960's until solid waste disposal regulations came into effect in 1972. The primary operation conducted at the site was municipal waste dumping. Municipal garbage from the Town of Cherry Grove was dumped at the site. The landfill did not maintain a daily cover and had no liner. A one time cover was applied to the landfill at the time of closure, but has since eroded in some areas. Unpermitted municipal waste dumping has also occurred at the site.

The site is considered a waste pile. The total area of the waste pile is 17 acres. The volume of the waste pile is estimated at 275,000 cubic yards. During the time of operation, the site was owned by International Paper. No industrial dumping is suspected of occurring at the site. There are no major industries located near the site.

SCDHEC has done previous investigations at the site under the Enforcement and Solid Waste Permitting Sections. A closure plan was completed for SCDHEC by Engineering Tectonics. SCDHEC would not approve of the plan without a consent order from CRE, a previous owner. The owners did not sign a consent order and no further work was done on the site.



## **SAMPLING INVESTIGATION**

### Sampling Strategy, Locations, and Options

International Paper has been offered the opportunity to split samples and has expressed a desire to obtain split samples. The sample locations will be marked by green flags. The following samples are proposed to assess the impact of the Old Cherry Grove Landfill site:

<b>Sample Type</b>	<b>Sample #</b>	<b>Location/Rationale/Options</b>
Surface Soil	CG-001-SS	This sample will be collected from the area across the dirt road from the landfill. The sample will be collected from the top two feet of soil. The location is accessible via the dirt road adjacent to the site. The sample is to be used as a background sample.
Surface Soil	CG-002-SS	This sample will be collected from the landfill area. It will be collected from the top two feet of soil. The sample is being collected to determine on-site waste characteristics.
Surface Soil	CG-003-SS	This sample will be collected from the landfill area. It will be collected from the top two feet of soil. The sample is being collected to determine on-site waste characteristics.
Surface Soil	CG-004-SS	This sample will be collected from the landfill area. It will be collected from the top two feet of soil. The sample is being collected to determine on-site waste characteristics.
Sediment	CG-005-SD	This sample will be collected from the boggy area west of the landfill. The sediment sample location is accessible by crossing the landfill from the dirt road. This sample is the northern most of the three sediment samples. The sample is being collected to determine if any contaminants are reaching the bog.

Sediment	CG-006-SD	This sample will be collected from the boggy area west of the landfill. The sediment sample location is accessible by crossing the landfill from the dirt road. This sample is located south of sample CG-005-SD. The sample is being collected to determine if any contaminants are reaching the bog.
Sediment	CG-007-SD	This sample will be collected from the boggy area west of the landfill. The sediment sample location is accessible by crossing the landfill from the dirt road. This sample is the southern most of the three sediment samples. The sample is being collected to determine if any contaminants are reaching the bog.

Analytical Parameters Requested

Samples from both media will be analyzed for the chemicals found in the EPA Target Compounds List (TCL) (including pesticides and herbicides).

## APPENDIX

### STANDARD SAMPLE CODES

#### Water Samples

**PW**-Private Well  
**PB**-Public (Municipal) Well  
**MW**-Monitoring (Permanent) Well  
**IW**-Industrial Well  
**SW**-Surface Water  
**SP**-Spring Water  
**LW**-Leachate Water  
**TW**-Temporary Well Point

#### Soil Samples

**SS**-Surface Soil  
**SB**-Subsurface Soil  
**SZ**-Saturation Zone  
**SD**-Sediment  
**CS**-Composite Soil (SS or SB)  
**LS**-Leachate Soil  
**CB**-Composite Soil Boring

#### Other Codes

**SL**-SLUDGE  
**WA**-WASTE (as in, waste piles)  
**DR**-DRUM  
**\*\*QC**-Quality Control

All samples codes will consist of at least 6 characters in the following format:

Site Name - Sample Location Number - Sample Type

Example: Standard Auto Sampling Investigation - Sample-Number 08 - Temporary Well

Appropriate code: SA-008-TW

If you need additional identity for a particular sample location, add a suffix.

**\*\*The QC sample code is usually for drilling water and sand pack samples and not for the Blank and Spike samples. Please disguise the Blank and Spike samples as one of the series of samples from the appropriate medium.**



Ref 12

**TRIP REPORT  
SCREENING SITE INVESTIGATION  
OLD CHERRY GROVE LANDFILL  
SCD 987 597 432**

**Completed By: Greg George** *MG*  
**Site Screening Section**  
**Bureau of Solid and Hazardous Waste Management**  
**South Carolina Department of Health and Environmental Control**  
**2600 Bull Street**  
**Columbia, South Carolina 29201**

**Date: September 24, 1994**

### Site History and Description

Old Cherry Grove Landfill is located just over three miles northwest of Cherry Grove in Horry County, South Carolina. It is located one mile to the west of South Carolina State Highway 9. The site is in a rural setting atop wetlands and among woodlands. A few individual dwellings and farms surround the landfill. The site coordinates are 33 degrees 51 minutes 56.1 seconds north latitude, and 78 degrees 40 minutes 56.2 seconds west longitude.

The total area of the property is 413 acres. The landfill is located on 17 acres of the 413 acre parcel. The landfill was a municipal landfill without a maintained daily cover. Scatter debris is visible on the surface. The property is not surrounded by a maintained fence. The topography is generally flat with a slight slope westward. There is not a well defined run-off pathway. Instead, water flows westward into a low boggy area.

The facility was in operation for a four year period from the early 1960's until solid waste disposal regulations came into effect in 1972. The primary operation conducted at the site was municipal waste dumping. Municipal garbage from the Town of Cherry Grove was dumped at the site. The landfill did not maintain a daily cover and had no liner. A one time cover was applied to the landfill at the time of closure, but has since eroded in some areas. Unpermitted municipal waste dumping has also occurred at the site.

The site is considered a waste pile. The total area of the waste pile is 17 acres. The volume of the waste pile is estimated at 275,000 cubic yards. During the time of operation, the site was owned by International Paper. No industrial dumping is suspected of occurring at the site. There are no major industries located near the site.

SCDHEC has done previous investigations at the site under the Enforcement and Solid Waste Permitting Sections. A closure plan was completed for SCDHEC by Engineering Tectonics. SCDHEC would not approve of the plan without a consent order from CRE, a previous owner. The owners did not sign a consent order and no further work was done on the site.

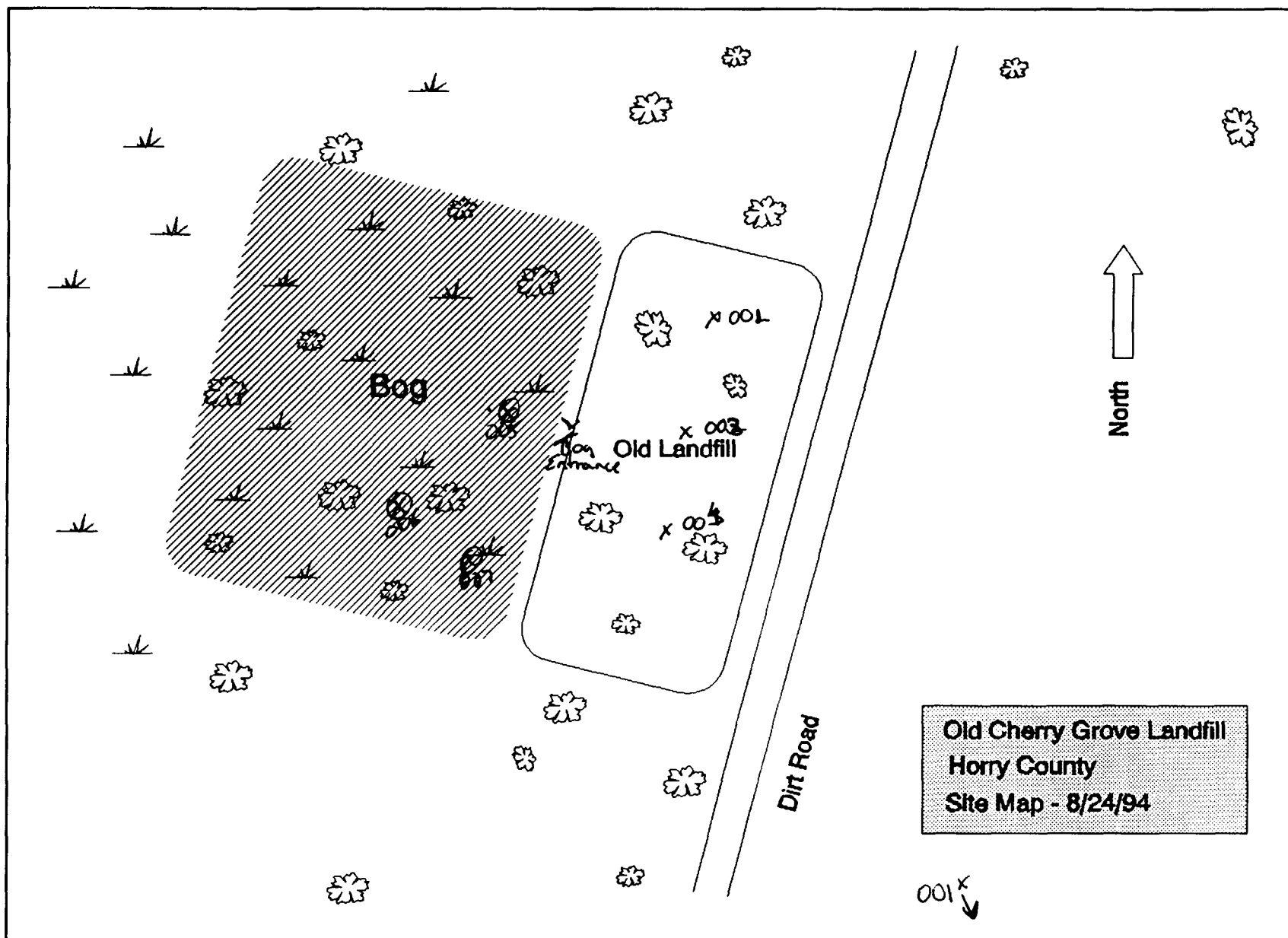
## **SAMPLING INVESTIGATION**

The following samples were collected to assess the impact of the Old Cherry Grove Landfill site:

<b>Sample Type</b>	<b>Sample #</b>	<b>Location/Sample Composition</b>
Surface Soil	CG-001-SS	This sample was collected from the area across the dirt road from the landfill approximately 50 yards south of the right of way and 7 yards from the road. The sample was collected from the top six inches of soil and was comprised of dark sandy soil. The sample is to be used as a background sample.
Surface Soil	CG-002-SS	This sample was collected from the northern end of the landfill area. It was collected from the top three inches of soil and was comprised of light brown sandy soil with a marbled pattern.
Surface Soil	CG-003-SS	This sample was collected from the center of the landfill area. It was collected from the top four inches of soil and was comprised of brown, gray, and black sandy soil.
Surface Soil	CG-004-SS	This sample was collected from the southern end of the landfill area. It was collected from the top six inches of soil and was comprised of dark brown soil. The sample was taken from a location with scattered household refuse - cans and paper.
Sediment	CG-005-SD	This sample was collected from the boggy area approximately 20 feet west of the bog entrance. The sample was collected from the top 8 inches of sediment and was comprised of black wet sandy soil.

Sediment	CG-006-SD	This sample was collected from the boggy area west of the landfill approximately 100 feet southwest of the bog entrance. The sample was collected from the top 8 inches of sediment and was comprised of dark brown silty sand.
Sediment	CG-007-SD	This sample was collected from the boggy area approximately 100 feet south of the bog entrance. The sample was collected from the top 7 inches of sediment and was comprised of black moist soil.

Samples 001 - 004 were collected by Bubba Carns and samples 005 - 006 were collected by Howard Mosely and Buck Corely. All samples were split by Rust Environmental for International Paper. The samples were collected into pyrex dishes and mixed after collection of the VOAs. There was no standing water where the sediment samples were collected. The following map depicts the sampling locations.





Site Screening Section  
Bureau of Solid & Hazardous Waste Management

## RECORD OF COMMUNICATION

- ☒ Phone Call
- ☐ Discussion
- ☐ Site Visit
- ☐ Conference
- ☐ Other (Specify)

---

TO: Old Cherry Grove Landfill file

FROM: Greg George

DATE: December 21, 1993

TIME: 3:30pm

---

SUBJECT: Conversation with Van Keisler concerning the site.

---

### SUMMARY

Van informed me that the Closure plan was completed by the Owners. The owners requested approval of the plan and SCDHEC would not approve without a consent order. The site was referred to CERCLA and put on the inactive file in Permitting. No work has since been done on the site.

## MEMORANDUM

**TO:** File

**FROM:** Richard Bonds  
Site Engineering Section

**RE:** CRE Landfill Meeting  
Room 405 Sims  
1:00 PM  
Tuesday, November 13, 1990

### MEETING PARTICIPANTS:

#### SCDHEC:

Superfund Section:	Keith Lindler
	Richard Bonds
Enforcement:	Renee Shealy
Solid Waste Permitting:	Dewey Pearson
	April Grunsky
Hydrogeology:	Mike Muthig
	Van Keisler
	Harry Mathis

#### CRE Group:

Bob Whelen, Gilford Mills  
Barry Nelson, Engineering Tectonics  
Fred Nubey, Attorney representing CRE investment group  
Charles Dameron, Representative of CRE investment group

---

CRE requested a meeting to discuss status of landfill. Engineering Tectonics, under contract from CRE investment group, performed a limited hydrogeological investigation at the CRE landfill and also submitted a closure and post closure plan to the Solid Waste Permitting Section. Because the landfill is unpermitted, it has been placed on the State CERCLIS list. CRE was informed of this in the meeting. They were also informed that they must sign an administrative consent order before the Department (DHEC) will take any further action. Keith Lindler and Mike Muthig explained to CRE that this is a normal departmental procedure for non-permitted sites. CRE stated that they felt DHEC had no regulatory authority over this landfill. Mike Muthig stated that the Department does have the right to place the CRE landfill on CERCLIS because of the uncertainty of wastes disposed of in unpermitted landfills.

CRE Landfill Meeting  
November 13, 1990  
Page 2

**In Summary:**

1. CRE Group was informed that the site is in the process of being placed on CERCLIS.
2. CRE Group was also informed that they must sign an administrative consent order with the Department to obtain Departmental review and approval of environmental work performed at the landfill.
3. CRE Group was informed that the site would eventually be scored and ranked by the State's pre-remedial section.
4. Cap specifications in the closure plan are approvable.
5. The meeting ended with the CRE Group not stating their intentions concerning the landfill.



Ref #20

To: April Gruntsky  
From: Barry Nelson

RECEIVED

OCT 29 1990  
S. C. DEPT. OF  
ENVIRONMENTAL  
Bureau of Solid  
Waste Management

Please glue these revised paragraphs into the  
CRE Landfill Closure Plan. Thanks.

#### OPERATIONAL HISTORY

The exact dates of usage cannot be precisely determined due to the fact that 1) the incorporation of the individual towns along the Grand Strand into the City of North Myrtle Beach has resulted in incomplete records of individual municipal services by the towns prior to incorporation; 2) no documentation of a lease or agreement is on file at International Paper due to a records purge in 1981, and; 3) no state permits were required of landfills prior to 1972. The primary evidence for the four year operation is based on the fact that International Paper had numerous agreements across the nation for similar projects and that these normally were for a period of four years. This information was substantiated by Mr. Ollie Fick of International Paper's Atlanta, Georgia Office.

RECEIVED

OCT 29 1990

S. C. Dept. of Natural & Environmental  
Control-Bureau of Solid & Hazardous  
Waste Management

PREscore 3.0 - PRESCORE.TCL File 07/25/94  
HRS DOCUMENTATION RECORD  
Old Cherry Grove Landfill - 03/31/95

PAGE: 1

1. Site Name: Old Cherry Grove Landfill  
(as entered in CERCLIS)
2. Site CERCLIS Number: SCD 987 597 432
3. Site Reviewer: Greg George
4. Date: March 25, 1994
5. Site Location: Cherry Grove/Horry, SC  
(City/County,State)
6. Congressional District:
7. Site Coordinates: Single

Latitude: 33°51'56.1"

Longitude: 078°40'56.2"

	Score
Ground Water Migration Pathway Score (Sgw)	7.67
Surface Water Migration Pathway Score (Ssw)	53.33
Soil Exposure Pathway Score (Ss)	0.00
Air Migration Pathway Score (Sa)	0.22

Site Score	26.94
------------	-------

NOTE

EPA uses the terms "facility," "site," and "release" interchangeably. The term "facility" is broadly defined in CERCLA to include any area where hazardous substances have "come to be located" (CERCLA Section 109(9)), and the listing process is not intended to define or reflect boundaries of such facilities or releases. Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.

PREscore 3.0 - PRESCORE.TCL File 07/25/94  
WASTE QUANTITY  
Old Cherry Grove Landfill - 03/31/95

PAGE: 2

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Landfill

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

## WASTE QUANTITY

Old Cherry Grove Landfill - 03/31/95

## 2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		Landfill	
b. Source Type		Waste Pile	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	275000.00	0.00
e. Source Volume/Area Value		1.10E+05	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		1.10E+05	

PREscore 3.0 - PRESCORE.TCL File 07/25/94  
WASTE QUANTITY  
Old Cherry Grove Landfill - 03/31/95

PAGE: 4

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Contaminated Soil

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		Contaminated Soil	
b. Source Type		Contaminated Soil	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	0.00	1.00
e. Source Volume/Area Value		2.94E-05	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		2.94E-05	

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Aluminum	< 2	NO	5.2E+03	ppm
Barium	< 2	NO	3.6E+01	ppm
Lead	< 2	NO	8.4E+01	ppm
Magnesium	< 2	NO	1.9E+02	ppm
Manganese	< 2	NO	1.4E+02	ppm
Vanadium	< 2	NO	6.3E+00	ppm
Zinc	< 2	NO	3.3E+02	ppm

## WASTE QUANTITY

Old Cherry Grove Landfill - 03/31/95

## 3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No.	Source ID	Migration Pathways	Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1	Landfill	GW-SW-SE-A	1.10E+05	0.00E+00	1.10E+05
2	Contaminated Soil	GW-SW-SE-A	2.94E-05	0.00E+00	2.94E-05

4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

Migration Pathway	Contaminant Values	HWQVs*	WCVs**
Ground Water	Toxicity/Mobility 1.00E+02	10000	32
SW: Overland Flow, DW	Tox./Persistence 1.00E+04	10000	100
SW: Overland Flow, HFC	Tox./Persis./Bioacc. 5.00E+07	10000	560
SW: Overland Flow, Env	Etox./Persis./Bioacc. 5.00E+06	10000	320
SW: GW to SW, DW	Tox./Persistence 1.00E+02	10000	32
SW: GW to SW, HFC	Tox./Persis./Bioacc. 1.00E+03	10000	56
SW: GW to SW, Env	Etox./Persis./Bioacc. 1.00E+02	10000	32
Soil Exposure: Resident	Toxicity 1.00E+04	10	18
Soil Exposure: Nearby	Toxicity 1.00E+04	10	18
Air	Toxicity/Mobility 2.00E+00	10000	10

\* Hazardous Waste Quantity Factor Values

\*\* Waste Characteristics Factor Category Values

Note: SW = Surface Water  
GW = Ground Water  
DW = Drinking Water Threat  
HFC = Human Food Chain Threat  
Env = Environmental Threat



PREscore 3.0 - PRESCORE.TCL File 07/25/94  
GROUND WATER MIGRATION PATHWAY SCORESHEET  
Old Cherry Grove Landfill - 03/31/95

PAGE: 1

GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: Canepatch		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	3
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	430
3. Likelihood of Release	550	430
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+02
5. Hazardous Waste Quantity	*	10000
6. Waste Characteristics	100	32
Targets		
7. Nearest Well	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	2.10E+01
8d. Population (lines 8a+8b+8c)	**	2.10E+01
9. Resources	5	5.00E+00
10. Wellhead Protection Area	20	0.00E+00
11. Targets (lines 7+8d+9+10)	**	4.60E+01
12. Targets (including overlaying aquifers)	**	4.60E+01
13. Aquifer Score	100	7.67
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	7.67

\* Maximum value applies to waste characteristics category.  
\*\* Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	550
2. Potential to Release by Overland Flow		
2a. Containment	10	10
2b. Runoff	25	1
2c. Distance to Surface Water	25	25
2d. Potential to Release by Overland Flow [lines 2a(2b+2c)]	500	260
3. Potential to Release by Flood		
3a. Containment (Flood)	10	10
3b. Flood Frequency	50	25
3c. Potential to Release by Flood (lines 3a x 3b)	500	250
4. Potential to Release (lines 2d+3c)	500	500
5. Likelihood of Release	550	550
Waste Characteristics		
6. Toxicity/Persistence	*	1.00E+04
7. Hazardous Waste Quantity	*	10000
8. Waste Characteristics	100	100
Targets		
9. Nearest Intake	50	0.00E+00
10. Population		
10a. Level I Concentrations	**	0.00E+00
10b. Level II Concentrations	**	0.00E+00
10c. Potential Contamination	**	0.00E+00
10d. Population (lines 10a+10b+10c)	**	0.00E+00
11. Resources	5	0.00E+00
12. Targets (lines 9+10d+11)	**	0.00E+00
13. DRINKING WATER THREAT SCORE	100	0.00

\* Maximum value applies to waste characteristics category.  
 \*\* Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	550
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation	*	5.00E+07
16. Hazardous Waste Quantity	*	10000
17. Waste Characteristics	1000	560
Targets		
18. Food Chain Individual	50	0.00E+00
19. Population		
19a. Level I Concentrations	**	0.00E+00
19b. Level II Concentrations	**	0.00E+00
19c. Pot. Human Food Chain Contamination	**	0.00E+00
19d. Population (lines 19a+19b+19c)	**	0.00E+00
20. Targets (lines 18+19d)	**	0.00E+00
21. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

\* Maximum value applies to waste characteristics category.  
 \*\* Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
22. Likelihood of Release (same as line 5)	550	550
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc.	*	5.00E+06
24. Hazardous Waste Quantity	*	10000
25. Waste Characteristics	1000	320
Targets		
26. Sensitive Environments		
26a. Level I Concentrations	**	0.00E+00
26b. Level II Concentrations	**	2.50E+01
26c. Potential Contamination	**	0.00E+00
26d. Sensitive Environments	**	2.50E+01
(lines 26a+26b+26c)		
27. Targets (line 26d)	**	2.50E+01
28. ENVIRONMENTAL THREAT SCORE	60	53.33
29. WATERSHED SCORE	100	53.33
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	53.33

\* Maximum value applies to waste characteristics category.  
 \*\* Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: Canepatch		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	3
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	430
3. Likelihood of Release	550	430
Waste Characteristics		
4. Toxicity/Mobility/Persistence	*	1.00E+02
5. Hazardous Waste Quantity	*	10000
6. Waste Characteristics	100	32
Targets		
7. Nearest Intake	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	0.00E+00
10. Targets (lines 7+8d+9)	**	0.00E+00
11. DRINKING WATER THREAT SCORE	100	0.00

\* Maximum value applies to waste characteristics category.  
\*\* Maximum value not applicable.

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 6  
GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET  
Old Cherry Grove Landfill - 03/31/95

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
12. Likelihood of Release (same as line 3)	550	430
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc.	*	1.00E+03
14. Hazardous Waste Quantity	*	10000
15. Waste Characteristics	1000	56
Targets		
16. Food Chain Individual	50	0.00E+00
17. Population		
17a. Level I Concentrations	**	0.00E+00
17b. Level II Concentrations	**	0.00E+00
17c. Pot. Human Food Chain Contamination	**	0.00E+00
17d. Population (lines 17a+17b+17c)	**	0.00E+00
18. Targets (lines 16+17d)	**	0.00E+00
19. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

\* Maximum value applies to waste characteristics category.  
\*\* Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
20. Likelihood of Release (same as line 3)	550	430
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc.	*	1.00E+02
22. Hazardous Waste Quantity	*	10000
23. Waste Characteristics	1000	32
Targets		
24. Sensitive Environments		
24a. Level I Concentrations	**	0.00E+00
24b. Level II Concentrations	**	0.00E+00
24c. Potential Contamination	**	5.00E-01
24d. Sensitive Environments (lines 24a+24b+24c)	**	5.00E-01
25. Targets (line 24d)	**	5.00E-01
26. ENVIRONMENTAL THREAT SCORE	60	0.08
27. WATERSHED SCORE	100	0.08
28. SW: GW to SW COMPONENT SCORE (Sgs)	100	0.08

\* Maximum value applies to waste characteristics category.  
\*\* Maximum value not applicable.

PREscore 3.0 - PRESCORE.TCL File 07/25/94  
 SOIL EXPOSURE PATHWAY SCORESHEET  
 Old Cherry Grove Landfill - 03/31/95

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SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	550
Waste Characteristics		
2. Toxicity	*	1.00E+04
3. Hazardous Waste Quantity	*	10
4. Waste Characteristics	100	18
Targets		
5. Resident Individual	50	0.00E+00
6. Resident Population		
6a. Level I Concentrations	**	0.00E+00
6b. Level II Concentrations	**	0.00E+00
6c. Resident Population (lines 6a+6b)	**	0.00E+00
7. Workers	15	0.00E+00
8. Resources	5	0.00E+00
9. Terrestrial Sensitive Environments	***	0.00E+00
10. Targets (lines 5+6c+7+8+9)	**	0.00E+00
11. RESIDENT POPULATION THREAT SCORE	**	0.00E+00

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

\*\*\* No specific maximum value applies, see HRS for details.



PREscore 3.0 - PRESCORE.TCL File 07/25/94  
 SOIL EXPOSURE PATHWAY SCORESHEET  
 Old Cherry Grove Landfill - 03/31/95

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SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility	100	5.00E+01
13. Area of Contamination	100	0.00E+00
14. Likelihood of Exposure	500	0.00E+00
Waste Characteristics		
15. Toxicity	*	1.00E+04
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	100	18
Targets		
18. Nearby Individual	1	1.00E+00
19. Population Within 1 Mile	**	5.40E-01
20. Targets (lines 18+19)	**	1.54E+00
21. NEARBY POPULATION THREAT SCORE	**	0.00E+00
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	0.00

\* Maximum value applies to waste characteristics category.  
 \*\* Maximum value not applicable.

AIR MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release		
2a. Gas Potential to Release	500	0
2b. Particulate Potential to Release	500	60
2c. Potential to Release	500	60
3. Likelihood of Release	550	60
Waste Characteristics		
4. Toxicity/Mobility	*	2.00E+00
5. Hazardous Waste Quantity	*	10000
6. Waste Characteristics	100	10
Targets		
7. Nearest Individual	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	5.00E+00
8d. Population (lines 8a+8b+8c)	**	5.00E+00
9. Resources	5	5.00E+00
10. Sensitive Environments		
10a. Actual Contamination	***	0.00E+00
10b. Potential Contamination	***	0.00E+00
10c. Sens. Environments(lines 10a+10b)	***	0.00E+00
11. Targets (lines 7+8d+9+10c)	**	3.00E+01
AIR MIGRATION PATHWAY SCORE (Sa)	100	2.18E-01

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

\*\*\* No specific maximum value applies, see HRS for details.

*Susan*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV  
COLLEGE STATION RD.  
ATHENS, GA. 30613

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 03/24/95

SUBJECT: Results of Extractable Organic Analysis;  
94-0604 OLD CHERRY GROVE LF  
NIXON CROS SC  
CASE NO: 22582

FROM: Tom B. Bennett, Jr.  
ESAT RPO

TO: JOHN CRISWELL

Attached are the results of analysis of samples collected as part of the subject project. These data replace those previously submitted to you on these samples

If you have any questions please contact me.

ATTACHMENT

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

03/17/95

EXTRACTABLE ORGANICS DATA REPORT

\*\*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88792 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 004-SS COLLECTION START: 08/24/94 1222 STOP: 00/00/00 \*\*  
\*\*  
\*\* CASE NO.: 22582 SAS NO.: D. NO.: JA05 \*\*  
\*\*\*

UG/KG ANALYTICAL RESULTS

400U PHENOL  
400U BIS(2-CHLOROETHYL) ETHER  
400U 2-CHLOROPHENOL  
400U 1,3-DICHLOROBENZENE  
400U 1,4-DICHLOROBENZENE  
400U 1,2-DICHLOROBENZENE  
400U 2-METHYLPHENOL  
400U 2,2'-CHLOROISOPROPYLETHYER  
400U (3-AND/OR 4-)METHYLPHENOL  
400U N-NITROSODI-N-PROPYLAMINE  
400U HEXACHLOROETHANE  
400U NITROBENZENE  
400U ISOPHORONE  
400U 2-NITROPHENOL  
400U 2,4-DIMETHYLPHENOL  
400U BIS(2-CHLOROETHOXY) METHANE  
400U 2,4-DICHLOROPHENOL  
400U 1,2,4-TRICHLOROBENZENE  
400U NAPHTHALENE  
400U 4-CHLOROANILINE  
400U HEXACHLOROBUTADIENE  
400U 4-CHLORO-3-METHYLPHENOL  
400U 2-METHYLNAPHTHALENE  
400U HEXACHLOROCYCLOPENTADIENE (HCCP)  
400U 2,4,6-TRICHLOROPHENOL  
960U 2,4,5-TRICHLOROPHENOL  
400U 2-CHLORONAPHTHALENE  
960U 2-NITROANILINE  
400U DIMETHYL PHTHALATE  
400U ACENAPHTHYLENE  
400U 2,6-DINITROTOLUENE

UG/KG ANALYTICAL RESULTS

960U 3-NITROANILINE  
400U ACENAPHTHENE  
960U 2,4-DINITROPHENOL  
960U 4-NITROPHENOL  
400U DIBENZOFURAN  
400U 2,4-DINITROTOLUENE  
400U DIETHYL PHTHALATE  
400U 4-CHLOROPHENYL PHENYL ETHER  
400U FLUORENE  
960U 4-NITROANILINE  
960U 2-METHYL-4,6-DINITROPHENOL  
400U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE  
400U 4-BROMOPHENYL PHENYL ETHER  
400U HEXACHLOROBENZENE (HCB)  
960U PENTACHLOROPHENOL  
400U PHENANTHRENE  
400U ANTHRACENE  
400U CARBAZOLE  
400U DI-N-BUTYLPHTHALATE  
400U FLUORANTHENE  
400U PYRENE  
400U BENZYL BUTYL PHTHALATE  
400U 3,3'-DICHLOROBENZIDINE  
400U BENZO(A)ANTHRACENE  
400U CHRYSENE  
2700U BIS(2-ETHYLHEXYL) PHTHALATE  
400UJ DI-N-OCTYLPHTHALATE  
400UJ BENZO(B AND/OR K)FLUORANTHENE  
400UJ BENZO-A-PYRENE  
400UJ INDENO(1,2,3-CD) PYRENE  
400UJ DIBENZO(A,H)ANTHRACENE  
400UJ BENZO(GHI)PERYLENE  
19 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

03/17/95

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88792 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 004-SS COLLECTION START: 08/24/94 1222 STOP: 00/00/00 \*\*  
\*\* CASE.NO.: 22582 SAS NO.: D. NO.: JA05 MD NO: JA05 \*\*  
\*\*

ANALYTICAL RESULTS UG/KG

20000J 8 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

# REMEDIAL SITE ASSESSMENT DECISION - EPA REGION IV

Site Name: Old Cherry Grove Landfill (CRE Landfill)

EPA ID#: SCD987597432

Alias Site Names: \_\_\_\_\_

City: Little River

County or Parish: SC

State: \_\_\_\_\_

Refer to Report Dated: 12/20/93

Report type: PA

Report developed by: SGDHEC

## DECISION:

☐ 1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:

☐ 1a. Site does not qualify for further remedial site assessment under CERCLA  
(Site Evaluation Accomplished - SEA)

☐ 1b. Site may qualify for further action, but is deferred to:

☐ RCRA  
☐ NRC

☒ 2. Further Assessment Needed Under CERCLA:

2a. (optional) Priority: ☐ Higher ☒ Lower

2b. Activity  
Type:

☐ PA  
☒ SI

☐ ESI  
☐ HRS evaluation

☐ Other: \_\_\_\_\_

**DISCUSSION/RATIONALE:** 17 acre landfill was owned by International Paper when operated as a mixed industrial/municipal dump. Surface water and groundwater pathways are of concern, although distance to sw and number of gw targets decreases site threats. Landfill cover has eroded, leaving most of LF contents exposed. SI needs to document if there has been a release to wetlands and fisheries in the vicinity, as well as document groundwater quality in the site vicinity. Low priority for SI. 3/17/94. E. Bozeman.

Report Reviewed  
and Approved by: Earl Bozeman

Signature: Earl Bozeman Date: 3/17/94

Site Decision  
Made by: Earl Bozeman

Signature: Earl Bozeman Date: 3/17/94

**PRELIMINARY ASSESSMENT REPORT  
Old Cherry Grove Landfill (CRE Landfill)  
Horry County  
South Carolina  
SCD 987 597 432**

*Low Priority SI  
3/17/94  
Earl J. Brown*

**Completed by: Greg George *GG*  
Reviewed by: Robert Cole *RC*  
Site Screening Section  
Bureau of Solid & Hazardous Waste Management  
South Carolina Department of Health and Environmental Control**

**Date Completed: December 20, 1993**

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## **I. SCOPE OF WORK**

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986, a Preliminary Assessment of the Old Cherry Grove Landfill site, located in Horry County, South Carolina has been conducted by the South Carolina Department of Health and Environmental Control (SCDHEC). The scope of this investigation included a review of SCDHEC files, demography, geology and topography of the area, and/or conversations with persons knowledgeable of this site. This report is a Site Screening tool used to support a decision for further investigation under the Federal Superfund Program. A field investigation is not normally conducted by the Site Screening Section during the Preliminary Assessment and has not been conducted at this site. Any recommendations or conclusions in this report are tentative and subject to concurrence by the US Environmental Protection Agency (EPA).

## **II. INTRODUCTION/EXECUTIVE SUMMARY**

The Old Cherry Grove Landfill site is located in Little River, South Carolina in Horry County. The site sits on property owned by CRE Investment Company, and is no longer active. Before 1972, when solid waste regulations came into effect, Old Cherry Grove Landfill was owned by International Paper and was used as a municipal landfill by the town of Cherry Grove.

The amount of hazardous substances present at the site is unknown. The landfill is unlined and a daily cover was not maintained during operation. A one time soil cover was applied to the landfill at the time of closure. The soil cover has since eroded, exposing landfill materials. The landfill is 17 acres in size and found on a 413 acre parcel of land. Presently, scattered debris can be seen on the surface of the landfill. It is estimated that the landfill was in operation for a four year period, sometime between 1960 and 1972.

Runoff from the site flows westward into wetlands and an unnamed stream. The unnamed stream flows into the Waccamaw River. No surface water intakes are located within 15 miles downstream of the site. The Waccamaw River is a known fishery, and wetlands are located on both sides of the entire 15 mile surface water pathway.

Groundwater is used for public drinking water supply within four miles of the site. Private groundwater wells are located throughout the four mile site radius. Monitoring wells were installed on-site during previous work, but the samples were only analyzed for BOD, TOC, COD, total organic halogen, petroleum hydrocarbons, and total iron. The potential for a release to groundwater is high due to the lack of containment and the depth to groundwater (less than five feet).

Old Cherry Grove Landfill Site  
SCD 987 597 432  
Page 2

The population within four miles of the site consists of the Town of Cherry Grove and rural dwellings. There are no residences located on the former landfill and no schools or day care facilities within 200 feet of the site.

The Old Cherry Grove Landfill site is given a "High" priority for further Federal action due to the potential to impact the surface water pathway. SCDHEC has done previous investigations at the site under the Enforcement and Solid Waste Permitting Sections. A closure plan was completed for SCDHEC by Engineering Tectonics. SCDHEC would not approve of the plan without a consent order from the owners. The owners did not sign a consent order and no further work was done on the site. No remedial or removal action has been conducted at the site.

### III. SITE DESCRIPTION, HISTORY AND WASTE CHARACTERISTIC

#### A. Background

##### Owner and Operator History

<u>Date</u>	<u>Owner</u>	<u>Land Use</u>
1960 - 1985	International Paper	Landfill (four years)
1986 to Present	CRE Investors	Land Development

Contact: Robert Whelen  
(919)292-7550

(Ref. 19)

#### B. Location

Old Cherry Grove Landfill is located just over three miles northwest of Cherry Grove in Horry County, South Carolina. It is located one mile to the west of South Carolina State Highway 9. The site is in a rural setting atop wetlands and among woodlands. A few individual dwellings and farms surround the landfill. The site coordinates are 33 degrees 51 minutes 56.1 seconds north latitude, and 78 degrees 40 minutes 56.2 seconds west longitude (Ref. 1, 4).

#### C. Site Description

The total area of the property is 413 acres. The landfill is located on 17 acres of the 413 acre parcel (Ref. 16). The landfill was a municipal landfill without a maintained daily cover. Scatter debris is visible on the surface (Ref. 4). The property is not surrounded by a maintained fence (Ref. 20). The topography is generally flat with a slight slope westward towards the Waccamaw River (Ref. 1).

#### D. Operational History and Waste Characteristics

The facility was in operation for a four year period from the early 1960's until solid waste disposal regulations came into effect in 1972 (Ref. 4, 17). The primary operation conducted at the site was municipal waste dumping. Municipal garbage from the Town of Cherry Grove was dumped at the site. The landfill did not maintain a daily cover and had no liner. A one time cover was applied to the landfill at the time of closure, but has since eroded in some areas (Ref. 20). The site is, therefore, considered a waste pile. The total area of the waste pile is 17 acres. The volume of the waste pile is estimated at 275,000 cubic yards (Ref. 4, 20). During the time of operation, the site was owned by International Paper. It is not known whether any industrial waste was disposed of at the site. There are no major industries located near the site (Ref. 1, 4).

SCDHEC has done previous investigations at the site under the Enforcement and Solid Waste Permitting Sections. A closure plan was completed for SCDHEC by Engineering Tectonics. SCDHEC would not approve of the plan without a consent order from the owners. The owners did not sign a consent order and no further work was done on the site (Ref. 18).

#### IV. GROUNDWATER PATHWAY

##### A. Hydrogeologic Setting

According to Pelletier (1985) and a report by Engineering Tectonics, P.A. entitled Report of Investigations CRE Landfill Site, Cherry Grove Beach, South Carolina (dated June, 1990), the following geologic units underlie the site (Ref. 3):

Table I: Regional Hydrology at Old Cherry Grove Landfill			
Name of Formation	Description	Hydraulic Conductivity	Depth of Occurrence
Canepatch	Sand, sandyclay, and shelly sand	$10^{-4}$ cm/sec	0-40 Ft.
Pee Dee	Clay with sand and silty sand	$10^{-6}$ cm/sec	40-315 Ft.
Black Creek	Sand interbedded with clay	$10^{-4}$ cm/sec	315 Ft. +

(Ref. 3)

Regional hydrogeologic data indicates that the Pee Dee Formation contains a confining unit that exists within a two-mile radius of the site. The confining unit likely restricts the downward vertical migration of groundwater to the principal drinking-water aquifer located in the Black Creek Formation. The referenced facility is not located in an area of karst topography. Based on water levels in 11 on-site wells, the depth to groundwater ranges between 1 and 4 feet below ground surface. The predominant shallow groundwater flow direction beneath the southeastern portion of the landfill appears to be to the southeast towards a small pond. The predominant shallow groundwater flow direction beneath the remaining portions of the landfill appears to be to the southwest towards a wetlands area (Ref. 3). The net precipitation for this area of South Carolina is between 5 and 15 inches per year (Ref. 8).

### B. Groundwater Targets

A well inventory within the four-mile site radius indicates the following uses of groundwater: irrigation, industrial, domestic, and public water supply (Ref. 3).

According to USGS topographic maps, the total groundwater population within four miles of the site is 2,691 people (Ref. 1). This number was generated by counting the number of residences within each radii and multiplying by 2.52 people per household for Horry County (Ref. 6). The main source of drinking water within four miles of the site comes from surface water. The City of North Myrtle Beach uses a blended system composed of 92% surface water and 8% groundwater. The groundwater wells used in the blended system are found within the three to four mile radii (Ref. 1, 14). The North Myrtle Beach system services 13,010 taps (Ref. 14). The nearest resident relying on a private drinking water well is estimated to be 500 feet southeast of the site (Ref.1). Table II contains the breakdown of the groundwater drinking population in Horry County for both public and private wells (Ref. 1).

Table II: Groundwater Use Within Four Miles of Old Cherry Grove Landfill			
RADII (miles)	PRIVATE SUPPLY	PUBLIC SUPPLY	
	Population	Taps	Population
0 - ¼	8	0	0
> ¼ - ½	8	0	0
> ½ - 1	50	0	0
> 1 - 2	166	0	0
> 2 - 3	232	0	0
> 3 - 4	164	1,041*	2,623
<b>TOTAL:</b>	<b>628</b>	<b>1,041</b>	<b>2,623</b>

\* - Number of taps derived by multiplying 13,010 taps by .08 (the percentage of groundwater used in the blended system)

(Ref. 1, 21)

### C. Groundwater Impact

A release to groundwater is likely due to the lack of containment and the fact that the waste pile is located within the water table (Ref. 3, 20). On-site monitoring wells were sampled

in 1991 by Engineering Tectonics, P.A. The samples were tested for BOD, TOC, COD, total organic halogen, petroleum hydrocarbons, and total iron. The groundwater sampling results indicated elevated levels of these parameters (Ref. 20)

## **V. SURFACE WATER**

### **A. Hydrologic Setting**

Based on topographic maps, overland drainage from the site flows to the west into wetlands. The wetlands contain a small stream that flows for approximately 3.5 miles before entering the Waccamaw River. The Waccamaw River completes the 15 mile surface water pathway (Ref. 1).

The flow rate for the small stream was determined by multiplying the drainage area to a region specific flow contribution factor of 1.0 cfs/mi<sup>2</sup>. The resulting stream flow for the unnamed stream is between 1 and 10 cfs (Ref. 1, 15). Old Cherry Grove Landfill is located within the 100 year flood plain (Ref. 10). The 2 year-24 hour rainfall value is 4.25 inches for Horry County (Ref. 7).

### **B. Surface Water Targets**

There are no drinking water intakes located within the fifteen mile surface water pathway (Ref. 2). The Waccamaw River is a fishery according to the *South Carolina Rivers Assessment* (Ref. 5). There are wetlands along each side of the unnamed stream and along the Waccamaw River, totaling 30 miles of wetland frontage. (Ref. 1). The Waccamaw River is a recreational river used for boating, water skiing, and etc. (Ref. 5). There are no state or Federally endangered species within the surface water pathway (Ref. 2).

### **C. Surface Water Impact**

The potential to impact surface water exists due to the lack of containment of on-site wastes (Ref. 20). The waste pile is in an area designated as wetlands (Ref. 14). The nearest perennial surface water is approximately five feet to the west of the site (Ref. 1).

## **VI. SOIL EXPOSURE PATHWAY & AIR PATHWAY**

### **A. Physical Setting**

There is potential for direct, on-site exposure to the waste found at Old Cherry Grove Landfill. The waste pile is uncovered and there is no fence to prevent access (Ref. 20). The site is inactive and there are no on-site residents (Ref. 1, 4). The waste pile is the only source of contamination at the site. No sampling of the waste source has been conducted.

**B. Soil and Air Targets**

The nearest resident is approximately 500 feet to the southeast (Ref. 1). There are no workers on-site (Ref. 17). No day care centers or schools are adjacent to or within 200 feet of the site (Ref. 1). There are no endangered species located within the four mile site radius (Ref. 2). According to U.S. Census Bureau information, the total population within four miles of the site is 12,011 (Ref. 16). The site is located in wetlands (Ref. 1, 20).

Table III: Population Within Four Miles of Old Cherry Grove Landfill	
Radii (miles)	Residents
On-site	0
0 - ¼	24
¼ - ½	118
½ - 1	540
1 - 2	1962
2 - 3	3684
3 - 4	5683
<b>Total:</b>	<b>12011</b>

(Ref. 16)

**C. Soil and Air Impact**

The potential exists for the municipal waste on-site to contaminate on-site soil. It is unknown whether or not the waste pile contains hazardous substances. Any contaminants present on-site may have migrated off-site by means of rainwater runoff. The waste pile is uncovered and particulate dispersion due to wind is possible (Ref. 1, 20). It is not known whether contaminated soils have migrated onto private property.

## **VII. SUMMARY AND CONCLUSIONS**

The Old Cherry Grove Landfill site was operated as a municipal landfill for four years before solid waste regulations came into effect. During that time, the property was owned by International Paper, whose nearest plant is over 40 miles to the south. The quantity of hazardous substances present on-site is unknown. The waste pile is unlined and uncovered in some areas. It is unknown if contamination has migrated onto surrounding properties or into surface waters. Groundwater may be contaminated near the site and is used for drinking water within the four mile site radius.

Based on available information, this site is assigned a "High" priority for further action under the Federal Superfund Program. SCDHEC has done previous investigations at the site under the Enforcement and Solid Waste Permitting Sections. A closure plan was completed for SCDHEC by Engineering Tectonics. SCDHEC would not approve of the plan without a consent order from the owners. The owners did not sign a consent order and no further work was done on the site. The Solid Waste Permitting section has placed the site in an inactive file and has referred the site to the Site Screening Section.



## REFERENCES

1. USGS Topographic Maps, 7.5 minute series (including waterline maps).

Hand, SC	1947
Wampee, SC	1947
Little River, SC	1984
Longs, SC, NC	1947
2. SCDHEC, BSHWM, endangered species and well location printout detailing surface water uses, endangered species, and groundwater uses near the Old Cherry Grove Landfill site. Dated December 17, 1993. Copy Attached.
3. Marion Feagin, SCDHEC, memorandum to Greg George, SCDHEC. The Old Cherry Grove Landfill site Hydrogeologic Review. Dated December 28, 1993. Copy available at SCDHEC, BSHWM.
4. Engineering Tectonics, P.A., Report of Investigations, CRE Landfill Site. Dated June, 1990. Copy available at SCDHEC, Columbia, South Carolina.
5. South Carolina Water Resources Commission, *South Carolina Rivers Assessment*. Dated September 1988.
6. United States Bureau of the Census. Housing Units by Occupancy Status, Total Population and Persons Per Household, 1990.
7. South Carolina Rainfall Data, S.C. Weather and Crop Summaries. Dated March, 1989.
8. U.S. EPA, Hazardous Ranking System; Final Rule, 40 CFR Part 300. Dated December 14, 1990.
9. SCDHEC, BSHWM. Printout of RCRA Listed Facilities. Dated June 14, 1990. Available in Site Screening Section, BSHWM.
10. National Flood Insurance Program Flood Map for Horry County panel of . Dated September 1, 1983.
11. S.C. State Water Assessment. S.C. Water Resources Commission. Dated September, 1983.
12. CERCLA Site Discovery Form. Dated July 18, 1991. Copy attached.

13. Patrick Horton, SCDHEC, population estimates around the Old Cherry Grove Landfill site. Copy attached.
14. SCDHEC, Bureau of Drinking Water Protection, inventory of public water supply systems, Horry County. Dated November 30, 1992.
15. SCDHEC, Bureau of Solid and Hazardous Waste Management. Map of projected cubic feet per second of flow per square mile of drainage area. Based on 1991 USGS water monitoring data.
16. Richard Bonds, SCDHEC, memorandum on CRE Landfill meeting. Dated June 19, 1991. Copy attached.
17. Barry Nelson, SCDHEC, letter to April Grunsky. Dated October 29, 1990. Copy attached.
18. Greg George, SCDHEC, record of communication to Old Cherry Grove Landfill file. Dated December 21, 1993. Copy attached
19. Renee Shealy, SCDHEC, notes taken at November 13, 1990 meeting. Copy attached.
20. Engineering Tectonics, P.A., Closure and Post Closure Plan, CRE Landfill Site. Dated October 4, 1990. Copy available at SCDHEC, Columbia, South Carolina.

**OVERSIZED**

**DOCUMENT**

*MAP*

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE ENDANGERED SPECIES FOUND WITHIN 4 MILES AND BETWEEN LATITUDE 33-52-00 TO 33-53-30 AND LONGITUDE 78-41-15 TO 78-52-30  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME SCIENTIFIC NAME	STATUS	LONGITUDE LATITUDE	DISTANCE FROM SITE	GRANK SRANK	DATE ADDED	TOPO MAP / COUNTY WHERE THE SPECIES IS LOCATED
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-43-19 33-53-49	2.88 Miles NNW	G2 S2	06/22/85	LONGS Horry
PINK TICKSEED COREOPSIS ROSEA	RC	78-42-42 33-54-33	3.25 Miles NNW	G3 S2	10/18/80	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-44-34 33-53-02	3.40 Miles WNW	G2 S2	06/22/85	LONGS Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-44-34 33-53-02	3.40 Miles WNW	G4 S2	06/22/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-43-11 33-54-20	3.26 Miles NNW	G3 S1	06/22/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-43-19 33-53-49	2.88 Miles NNW	G3 S1	06/22/85	LONGS Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-45-27 33-52-40	4.11 Miles WNW	G4 S2	06/22/85	HAMMOND Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-40-35 33-49-15	3.23 Miles SSE	G3 S1	06/12/33	WAMPEE Horry
SARVIS HOLLY ILEX AMELANCHIER	UN	78-43-11 33-54-20	3.26 Miles NNW	G3G4 S3	06/22/85	LONGS Horry
SARVIS HOLLY ILEX AMELANCHIER	UN	78-42-37 33-54-27	3.11 Miles NNW	G3G4 S3	10/10/85	LONGS Horry
BURHEAD ECHINODORUS TENELLUS VAR PARVULUS	SL	78-40-13 33-55-32	4.18 Miles NNE	G3T2 S2	06/21/85	LONGS Horry

22  
2

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE ENDANGERED SPECIES FOUND WITHIN 4 MILES AND BETWEEN LATITUDE 33-52-00 TO 33-53-30 AND LONGITUDE 78-41-15 TO 78-52-30

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME SCIENTIFIC NAME	STATUS	LONGITUDE LATITUDE	DISTANCE FROM SITE	GRANK SRANK	DATE ADDED	TOPO MAP / COUNTY WHERE THE SPECIES IS LOCATED
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-42-43 33-54-58	3.69 Miles NNW	G2 S2	06/22/85	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-45-27 33-52-40	4.11 Miles WNW	G2 S2	06/22/85	HAMMOND Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-44-34 33-53-02	3.40 Miles WNW	G3 S1	06/22/85	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-42-42 33-54-28	3.16 Miles NNW	G2 S2	06/22/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-41-53 33-54-48	3.28 Miles NNW	G3 S1	06/21/85	LONGS Horry
SHORTLEAF SNEEZEWEED HELENium BREVIFOLIUM	RC	78-44-00 33-53-28	3.13 Miles WNW	G4 S1	06/22/85	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-43-11 33-54-20	3.26 Miles NNW	G2 S2	06/22/85	LONGS Horry
SARVIS HOLLY ILEX AMELANCHIER	UN	78-40-13 33-55-32	4.18 Miles NNE	G3G4 S3	05/07/85	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-41-53 33-54-48	3.28 Miles NNW	G2 S2	06/21/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-42-42 33-54-28	3.16 Miles NNW	G3 S1	10/10/85	LONGS Horry
BURHEAD ECHINODORUS TENELLUS VAR PARVULUS	SL	78-42-42 33-54-28	3.16 Miles NNW	G3T2 S2	06/21/85	LONGS Horry

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE ENDANGERED SPECIES FOUND WITHIN 4 MILES AND BETWEEN LATITUDE 33-52-00 TO 33-53-30 AND LONGITUDE 78-41-15 TO 78-52-30  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME SCIENTIFIC NAME	STATUS	LONGITUDE LATITUDE	DISTANCE FROM SITE	GRANK SRANK	DATE ADDED	TOPO MAP / COUNTY WHERE THE SPECIES IS LOCATED
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-42-51 33-54-46	3.53 Miles NNW	G2 S2	06/22/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-43-20 33-52-50	2.22 Miles WNW	G3 S1	06/22/85	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-39-53 33-51-22	1.50 Miles ESE	G2 S2	10/04/83	WAMPEE Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-43-20 33-52-50	2.22 Miles WNW	G4 S2	06/22/85	LONGS Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-43-11 33-54-20	3.26 Miles NNW	G4 S2	06/22/85	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-43-20 33-52-50	2.22 Miles WNW	G2 S2	06/22/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-42-43 33-54-58	3.69 Miles NNW	G3 S1	06/22/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-45-27 33-52-40	4.11 Miles WNW	G3 S1	06/22/85	HAMMOND Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-42-42 33-54-28	3.16 Miles NNW	G4 S2	06/22/85	LONGS Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-42-43 33-54-58	3.69 Miles NNW	G4 S2	06/22/85	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-44-34 33-53-02	0.00 Miles UNK	G2 S2	06/22/85	LONGS Horry

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE ENDANGERED SPECIES FOUND WITHIN 4 MILES AND BETWEEN LATITUDE 33-52-00 TO 33-53-30 AND LONGITUDE 78-41-15 TO 78-52-30  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME SCIENTIFIC NAME	STATUS	LONGITUDE LATITUDE	DISTANCE FROM SITE	GRANK SRANK	DATE ADDED	TOPO MAP / COUNTY WHERE THE SPECIES IS LOCATED
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-44-34 33-53-02	0.00 Miles UNK	G4 S2	06/22/85	LONGS Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-45-27 33-52-40	0.00 Miles UNK	G4 S2	06/22/85	HAMMOND Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-45-27 33-52-40	0.00 Miles UNK	G2 S2	06/22/85	HAMMOND Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-44-34 33-53-02	0.00 Miles UNK	G3 S1	06/22/85	LONGS Horry
SHORTLEAF SNEEZEWEED HELENIUM BREVIFOLIUM	RC	78-44-00 33-53-28	0.00 Miles UNK	G4 S1	06/22/85	LONGS Horry
BURHEAD ECHINODORUS TENELLUS VAR PARVULUS	SL	78-49-06 33-53-12	0.00 Miles UNK	G3T2 S2	05/08/85	HAMMOND Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-43-20 33-52-50	0.00 Miles UNK	G3 S1	06/22/85	LONGS Horry
DWARF BULRUSH HEMICARPHA MICRANTHA	SL	78-43-20 33-52-50	0.00 Miles UNK	G4 S2	06/22/85	LONGS Horry
HARPER'S FIMBRISTYLIS FIMBRISTYLIS PERPUSILLA	NC/CU	78-43-20 33-52-50	0.00 Miles UNK	G2 S2	06/22/85	LONGS Horry
PLYMOUTH GENTIAN SABATIA KENNEDYANA	RC	78-45-27 33-52-40	0.00 Miles UNK	G3 S1	06/22/85	HAMMOND Horry
SARVIS HOLLY ILEX AMELANCHIER	UN	78-47-27 33-52-55	0.00 Miles UNK	G3G4 S3	05/07/85	HAMMOND Horry

Ref. 2

Date: 12/16/93

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE SURFACEWATER SUPPLIES FOUND BETWEEN LATITUDE 33-52-00 TO 33-53-30 AND LONGITUDE 78-41-15 TO 78-52-30  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

TREATMENT WORKS NAME	LONGITUDE	PUMP (GPM)
OWNERS IDENTIFICATION	LATITUDE	TREATMENT (GPD)
NO SOURCES FOUND.		
	- - 0	0.0
	- - 0	0.000

SOURCE IDENTIFICATION:

AQ - Aquaculture	IR - Irrigator	PT - Thermo-power	CO - Commerical	MI - Mining
ST - Sewage Treatment	GC - Golf Course	PH - Hydro-power	WS - Public Supply	IN - Industry



S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE ENDANGERED SPECIES FOUND WITHIN 4 MILES AND BETWEEN LATITUDE 33-52-00 TO 33-53-30 AND LONGITUDE 78-41-15 TO 78-52-30  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME		LONGITUDE	DISTANCE	GRANK	DATE	TOPO MAP /
SCIENTIFIC NAME	STATUS	LATITUDE	FROM SITE	SRANK	ADDED	COUNTY WHERE THE SPECIES IS LOCATED

GRANK/SRANK - Nature Conservancy rating:

- G1 - Critically imperiled globally because of extreme rarity or because of some factor(s) making it especially vulnerable to extinction.
- G2 - Imperiled globally because of rarity or factor(s) making it vulnerable.
- G3 - Either very rare throughout its range or found locally in a restricted range, or having factors making it vulnerable.
- G4 - Apparently secure globally, though it may be rare in parts of its range.
- G5 - Demonstrably secure globally, though it may be rare in parts of its range.
- S1 - Critically imperiled state-wide because of extreme rarity or because of some factor(s) making it especially vulnerable to extirpation.
- S2 - Imperiled state-wide because of rarity or factor(s) making it vulnerable.
- S3 - Rare or uncommon in state.
- S4 - Apparently secure in state.
- S5 - Demonstrably secure in state.

STATUS - Legal status:

- FE - Federal Endangered
- FT - Federal Threatened
- NC - Of Concern, National (plants)
- RC - Of Concern, Regional (plants)
- SE - State Endangered (animals)
- ST - State Threatened (animals)
- SC - Of Concern, State (animals)
- SL - Of Concern, State (plants)
- SX - State Extirpated
- CU - Candidate (Federal review)
- UN - Undetermined

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY:		COUNTY:	AQUIFER:	SCWRC: DAR--z01
CONTACT:	PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:		LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
		DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS:		LOCATION:		
COMPANY: City of Hartsville?		COUNTY:	AQUIFER:	SCWRC: DAR--z02
CONTACT:	PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:		LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
		DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well tak; T=64DC:Layne-Atlantic; 410.2 Flow 1/4/55;		LOCATION:		
COMPANY: Dovesville Side Camp		COUNTY:	AQUIFER:	SCWRC: DAR--z03
CONTACT:	PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:		LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
		DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well tak;		LOCATION: Darlington		
COMPANY: Mr. Murray Kiiven		COUNTY:	AQUIFER:	SCWRC: DAR--z04
CONTACT:	PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:		LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
		DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well tak; DC:Boyd Johnson;		LOCATION: Hartsville		
COMPANY: Mr. J.A. Rogers		COUNTY:	AQUIFER:	SCWRC: DAR--z05
CONTACT:	PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:		LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
		DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well tak; Flows 1955; T=63.5;		LOCATION: Hartsville, Rt. 4		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Mr. D.J. Jones/2mi	COUNTY:	AQUIFER:	SCWRC: DAR--z06
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well tab;	LOCATION: NE SC15 Airport Serv		

COMPANY:	COUNTY:	AQUIFER:	SCWRC: DAR--z07
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS:	LOCATION:		

COMPANY: Gus Randolph	COUNTY:	AQUIFER:	SCWRC: DAR--z08
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well tab; DC:Chance Pipkins;	LOCATION: Rt. 1, Lamar		

COMPANY: Mr. J.F. Howell	COUNTY:	AQUIFER:	SCWRC: DAR--z09
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well Tab; DC:Spire;	T=66	LOCATION: Rt. 1, Lamar	

COMPANY: State Ed. Finishing	COUNTY:	AQUIFER:	SCWRC: DAR--z10
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: SCWRC Well tab; DC:Getzen; PT:57;	LOCATION: Shop, 4 mi SW, LamarH		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY:		COUNTY:		AQUIFER:		SCWRC: DAR--z11
CONTACT:	PHONE:	LONGITUDE: 78-32-95		COMP. DEPTH: 0	USE:	
ADDRESS:		LATITUDE: 33-47-95		DRILL DEPTH: 0	YIELD: 0	
		DISTANCE: 0.00 MILES UNK		ELEV: 0.00		
REMARKS:				LOCATION: #2		

COMPANY: Valcraft Division		COUNTY:		AQUIFER:		SCWRC: DAR---Z1
CONTACT:	PHONE:	LONGITUDE: 78-32-95		COMP. DEPTH: 0	USE:	
ADDRESS:		LATITUDE: 33-47-95		DRILL DEPTH: 0	YIELD: 0	
		DISTANCE: 0.00 MILES UNK		ELEV: 0.00		
REMARKS: SCWRC Well tab;	DC:Pittman Wood;	PWL:142;		LOCATION: Nuclear Corp. DAR.		

COMPANY: Int. Min. Plant		COUNTY:		AQUIFER:		SCWRC: DAR--z13
CONTACT:	PHONE:	LONGITUDE: 78-32-95		COMP. DEPTH: 0	USE:	
ADDRESS:		LATITUDE: 33-47-95		DRILL DEPTH: 0	YIELD: 0	
		DISTANCE: 0.00 MILES UNK		ELEV: 0.00		
REMARKS: DHEC;				LOCATION:		

COMPANY: Int. Min Plant		COUNTY:		AQUIFER:		SCWRC: DAR--z14
CONTACT:	PHONE:	LONGITUDE: 78-32-95		COMP. DEPTH: 0	USE:	
ADDRESS:		LATITUDE: 33-47-95		DRILL DEPTH: 0	YIELD: 0	
		DISTANCE: 0.00 MILES UNK		ELEV: 0.00		
REMARKS: DHEC;				LOCATION:		

COMPANY: Skeets Barbeque		COUNTY:		AQUIFER:		SCWRC: DAR--z15
CONTACT:	PHONE:	LONGITUDE: 78-32-95		COMP. DEPTH: 0	USE:	
ADDRESS:		LATITUDE: 33-47-95		DRILL DEPTH: 0	YIELD: 0	
		DISTANCE: 0.00 MILES UNK		ELEV: 0.00		
REMARKS: DHEC;				LOCATION: Darlington		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Redwood St. Apt.	COUNTY:	AQUIFER:	SCWRC: DAR--z16
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION:		
COMPANY: Redwood St. Apt.	COUNTY:	AQUIFER:	SCWRC: DAR--z17
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION:		
COMPANY: Hartsville Golf Club	COUNTY:	AQUIFER:	SCWRC: DAR--z18
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION:		
COMPANY: Hartsville Golf Club	COUNTY:	AQUIFER:	SCWRC: DAR--z19
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION:		
COMPANY: Howle Mobile Home	COUNTY:	AQUIFER:	SCWRC: DAR--z20
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z21
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		
COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z22
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		
COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z23
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		
COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z24
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		
COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z25
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
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THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z26
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		
COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z27
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		
COMPANY: Atkinson's Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z28
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		
COMPANY: Pineridge Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z29
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		
COMPANY: Pineridge Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z30
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

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COMPANY: Whispering Pine	COUNTY:	AQUIFER:	SCWRC: DAR--z31
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Hartsville		
COMPANY: Lake Robinson	COUNTY:	AQUIFER:	SCWRC: DAR--z32
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: McBee		
COMPANY: Gainey Mobile Home	COUNTY:	AQUIFER:	SCWRC: DAR--z33
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park, Darlington		
COMPANY: Gainey Mobile Home	COUNTY:	AQUIFER:	SCWRC: DAR--z34
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park, Darlington		
COMPANY: Lakeside Mobile Home	COUNTY:	AQUIFER:	SCWRC: DAR--z35
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park, Rt. 2, McBee		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.



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THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Plantation Park	COUNTY:	AQUIFER:	SCWRC: DAR--z36
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Rt. 1, Lamar		

COMPANY: Plantation Park	COUNTY:	AQUIFER:	SCWRC: DAR--z37
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Rt. 1, Lamar		

COMPANY: Russell Rd. Mobile	COUNTY:	AQUIFER:	SCWRC: DAR--z38
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Home Pk., Hartsville		

COMPANY: Russell Rd. Mobile	COUNTY:	AQUIFER:	SCWRC: DAR--z39
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Home Pk., Hartsville		

COMPANY: Midway Mobile Home	COUNTY:	AQUIFER:	SCWRC: DAR--z40
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park, Rt. 2, McBee		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

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COMPANY: Midway Mobile Home	COUNTY:	AQUIFER:	SCWRC: DAR--z41
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park, Rt. 2, McBee		

COMPANY: Airport Trailer Park	COUNTY:	AQUIFER:	SCWRC: DAR--z42
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Hartsville		

COMPANY: Shady Pines Trailer	COUNTY:	AQUIFER:	SCWRC: DAR--z43
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park, Hartsville		

COMPANY: Northcutt's Mobile	COUNTY:	AQUIFER:	SCWRC: DAR--z44
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Home Pk., Hartsville		

COMPANY: Stanley Mobile Home	COUNTY:	AQUIFER:	SCWRC: DAR--z45
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Park, Darlington		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
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THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Kissiah Trailer Park	COUNTY:	AQUIFER:	SCWRC: DAR--z46
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Rt. 5, Hartsville		

COMPANY: Kissiah Trailer Park	COUNTY:	AQUIFER:	SCWRC: DAR--z47
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Rt. 5, Hartsville		

COMPANY: I-20 Exxon Station	COUNTY:	AQUIFER:	SCWRC: DAR--z48
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Lamar		

COMPANY: Emmanuel Baptist	COUNTY:	AQUIFER:	SCWRC: DAR--z49
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Rt. 1, Hartsville		

COMPANY: Emmanuel Baptist	COUNTY:	AQUIFER:	SCWRC: DAR--z50
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Rt. 1, Hartsville		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

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COMPANY: Carmed. Lounge	COUNTY:	AQUIFER:	SCWRC: DAR--501
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DHEC;	LOCATION: Darlington		

COMPANY: Darlington Co. Water	COUNTY:	AQUIFER:	SCWRC: DAR--z52
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS:	LOCATION: & Sewer Auth. #4		

COMPANY: Pee Dee Exp. Station	COUNTY:	AQUIFER:	SCWRC: DAR--z51
CONTACT: PHONE:	LONGITUDE: 78-32-95	COMP. DEPTH: 0	USE:
ADDRESS:	LATITUDE: 33-47-95	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 0.00 MILES UNK	ELEV: 0.00	
REMARKS: DC:Demco ltd.; SC:1.5 gpf;	LOCATION:		

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 02Q--e06
CONTACT: Paul Drews PHONE:	LONGITUDE: 78-39-41	COMP. DEPTH: 0	USE:
ADDRESS: 507 28th Avenue North	LATITUDE: 33-49-52	DRILL DEPTH: 0	YIELD: 0
	DISTANCE: 2.88 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION: SURF GOLF & BEACH CL		

COMPANY: ResortMaster, Inc.	COUNTY:	AQUIFER: Shallow	SCWRC: 02Q--r03
CONTACT: AL Wall PHONE: 249-3997	LONGITUDE: 78-37-48	COMP. DEPTH: 75	USE: GC
ADDRESS: P.O. Box 300	LATITUDE: 33-52-03	DRILL DEPTH: 75	YIELD: 83
N. Myrtle Beach, SC 29597	DISTANCE: 3.32 MILES ENE	ELEV: 0.00	
REMARKS: Eastport Country Club; 5 miles SW of Little River.	LOCATION: 200' SE of 10th hole		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
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COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 02R--a06
CONTACT: Paul Drews	PHONE:	LONGITUDE: 78-39-41	COMP. DEPTH: 0
ADDRESS: 507 28th Avenue North		LATITUDE: 33-49-52	DRILL DEPTH: 0
Myrtle Beach,		DISTANCE: 2.88 MILES SSE	ELEV: 0.00
REMARKS: DC:R. MCCracken;		LOCATION:	
COMPANY: C.W. Vereen	COUNTY:	AQUIFER:	SCWRC: 02Q--e01
CONTACT:	PHONE:	LONGITUDE: 78-39-26	COMP. DEPTH: 348
ADDRESS: Route Box 228		LATITUDE: 33-54-23	DRILL DEPTH: 348
N. Myrtle Beach, SC		DISTANCE: 3.25 MILES NNE	ELEV: 40.00
REMARKS: Water has a rusting effect. Date completed 1975. N. Stanley		LOCATION: C. W. Vereen	
COMPANY: Walter P. Hawks	COUNTY:	AQUIFER:	SCWRC: 02Q--106
CONTACT:	PHONE:	LONGITUDE: 78-36-58	COMP. DEPTH: 60
ADDRESS: Brooksville Road		LATITUDE: 33-52-43	DRILL DEPTH: 60
Little River,, SC		DISTANCE: 4.20 MILES ENE	ELEV: 40.00
REMARKS: Hawks says there is plenty of water @ 60; iron stains.		LOCATION: Brooksville Road	
COMPANY: Town of Little River	COUNTY:	AQUIFER:	SCWRC: 02Q--m03
CONTACT:	PHONE:	LONGITUDE: 78-37-02	COMP. DEPTH: 692
ADDRESS: c/o Little Town Hall		LATITUDE: 33-52-33	DRILL DEPTH: 692
Little River,, SC		DISTANCE: 4.10 MILES ENE	ELEV: 40.00
REMARKS: Well now abandoned, sand problems & highCl-1. Fed. Obs. well		LOCATION: Town of Little River	
COMPANY: S & F of MB Inc.	COUNTY:	AQUIFER: Shallow	SCWRC: 02Q--m04
CONTACT: Kurt Driesbaugh	PHONE: 803-249-1025	LONGITUDE: 78-37-18	COMP. DEPTH: 15
ADDRESS: P.O. Box 680		LATITUDE: 33-52-28	DRILL DEPTH: 15
Little River, SC 29566		DISTANCE: 3.83 MILES ENE	ELEV: 0.00
REMARKS: No data on construction of ponds; dba Cypress Bay GC.		LOCATION: Cypress Bay GC bet. 7 & 8th H.	

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL
BUREAU OF SOLID & HAZARDOUS WASTE
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Eastport Golf Club
CONTACT: Mark Rohdenburg
ADDRESS: P.O. Box 300
N. Myrtle Beach, SC 29597
REMARKS: Well at 11th hole.
COUNTY:
LONGITUDE: 78-37-41
LATITUDE: 33-52-08
DISTANCE: 3.43 MILES ENE
AQUIFER: Pee Dee
COMP. DEPTH: 73
DRILL DEPTH: 200
ELEV: 38.00
SCWRC: 02Q--m05
USE: GC
YIELD: 83
LOCATION: 5 miles East of Little River

COMPANY: Van Smith Concrete
CONTACT:
ADDRESS: Little River,, SC
REMARKS:
COUNTY:
LONGITUDE: 78-38-22
LATITUDE: 33-52-04
DISTANCE: 2.77 MILES ENE
AQUIFER:
COMP. DEPTH: 343
DRILL DEPTH: 343
ELEV: 25.00
SCWRC: 02Q--n04
USE:
YIELD: -1
LOCATION: Little River

COMPANY: Blythe Construction
CONTACT: Howard Hudson
ADDRESS: 17 Eagle Way
N. Myrtle Beach, SC 29582
REMARKS: Not much info use as an obs. well on Piezo survey.
COUNTY:
LONGITUDE: 78-38-16
LATITUDE: 33-52-11
DISTANCE: 2.87 MILES ENE
AQUIFER:
COMP. DEPTH: 191
DRILL DEPTH: 191
ELEV: 50.00
SCWRC: 02Q--n05
USE:
YIELD: -1
LOCATION: 17 Eagle Way

COMPANY: Cherry Grove Golf Co
CONTACT: Arthur Morgan
ADDRESS: P.O. Box 746
North Myrtle Be, SC 29582
REMARKS: Domestic well, golf course.
COUNTY:
LONGITUDE: 78-38-56
LATITUDE: 33-52-42
DISTANCE: 2.37 MILES ENE
AQUIFER: Pee Dee
COMP. DEPTH: 125
DRILL DEPTH: 125
ELEV: 0.00
SCWRC: 02Q--n06
USE: DO
YIELD: 50
LOCATION: 200 yds E. of tee 5 (house)

COMPANY: Caro-Strand Corp.
CONTACT: Keith Floyd
ADDRESS: P.O. Box 240
North Myrtle Be, SC 29597
REMARKS: This is their main supply well; date completed 1972.
COUNTY:
LONGITUDE: 78-39-35
LATITUDE: 33-52-04
DISTANCE: 1.60 MILES ENE
AQUIFER: Black Creek
COMP. DEPTH: 235
DRILL DEPTH: 235
ELEV: 40.00
SCWRC: 02Q--o01
USE: GC
YIELD: 120
LOCATION: .3 miles E. of Hwy 9

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Caro-Strand Corp. COUNTY: AQUIFER: Black Creek SCWRC: 02Q--o02  
CONTACT: Keith Floyd PHONE: 249-2026 LONGITUDE: 78-39-37 COMP. DEPTH: 175 USE: GC  
ADDRESS: P.O. Box 240 LATITUDE: 33-52-28 DRILL DEPTH: 188 YIELD: 419  
North Myrtle Be, SC 29597 DISTANCE: 1.66 MILES ENE ELEV: 40.00  
REMARKS: Well only pumps 5-10gpm; date completed 1981. LOCATION: Hwy. 9 entrance to Bay Tree GP

COMPANY: Caro-Strand Golf Cor COUNTY: AQUIFER: Black Creek SCWRC: 02Q--o03  
CONTACT: Keith Floyd PHONE: 249-1487 LONGITUDE: 78-39-38 COMP. DEPTH: 341 USE: WS  
ADDRESS: Highway 9 N. LATITUDE: 33-52-20 DRILL DEPTH: 341 YIELD: 15  
N. Myrtle Beach, SC 29597 DISTANCE: 1.60 MILES ENE ELEV: 40.00  
REMARKS: Well only supplies club house and Pro-shop. LOCATION: Bay Tree Golf Plantation

COMPANY: Bay Tree Golf Plant. COUNTY: AQUIFER: Black Creek SCWRC: 02Q--o04  
CONTACT: PHONE: 249-1487 LONGITUDE: 78-39-38 COMP. DEPTH: 166 USE: AB  
ADDRESS: Highway 9 N. LATITUDE: 33-52-20 DRILL DEPTH: 166 YIELD: -1  
N. Myrtle Beach, SC DISTANCE: 1.60 MILES ENE ELEV: 40.00  
REMARKS: Field located well; Owners unaware of existence. 1972 ? LOCATION: Bay Tree Golf Plantation

COMPANY: State of S.C. COUNTY: AQUIFER: Black Creek SCWRC: 02Q--o05  
CONTACT: PHONE: LONGITUDE: 78-39-25 COMP. DEPTH: 354 USE: OB  
ADDRESS: 221 Main Street LATITUDE: 33-52-47 DRILL DEPTH: 768 YIELD: 50  
Conway,, SC DISTANCE: 1.98 MILES ENE ELEV: 40.00  
REMARKS: Drilled well for obs purposes only; T's are abt 3500-4000. LOCATION: Eagle Nest

COMPANY: Little River W&S Co. COUNTY: AQUIFER: Black Creek SCWRC: 02Q--o06  
CONTACT: George Adams PHONE: 249-4025 LONGITUDE: 78-39-25 COMP. DEPTH: 317 USE: WS  
ADDRESS: P.O. Box 68 LATITUDE: 33-52-47 DRILL DEPTH: 317 YIELD: 210  
Little River, SC 29566 DISTANCE: 1.98 MILES ENE ELEV: 25.00  
REMARKS: Chemical analysis shown is from upper screens. LOCATION: NE of Hwy 90 on Golf Avenue

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Little River W&S Co. COUNTY: AQUIFER: Black Creek SCWRC: 02Q--o07  
CONTACT: George Adams PHONE: 249-1260 LONGITUDE: 78-39-13 COMP. DEPTH: 363 USE: WS  
ADDRESS: P.O. Box 68 LATITUDE: 33-52-32 DRILL DEPTH: 363 YIELD: 125  
Little River, SC 29566 DISTANCE: 2.05 MILES ENE ELEV: 20.00  
REMARKS: Did not run logs on this well. Well was put in on 40ft. probe LOCATION: NE highway 90 on Golf Avenue

COMPANY: Town of Little River COUNTY: AQUIFER: Shallow SCWRC: 02Q--o08  
CONTACT: PHONE: LONGITUDE: 78-39-13 COMP. DEPTH: 129 USE: OB  
ADDRESS: 221 Main Street LATITUDE: 33-52-32 DRILL DEPTH: 130 YIELD: -1  
Conway,, SC 29526 DISTANCE: 2.05 MILES ENE ELEV: 20.00  
REMARKS: Drilled for observation purposes only. At Eagle Nest. LOCATION: Town of Little River

COMPANY: Cherry Grove Golf Co COUNTY: AQUIFER: Pee Dee SCWRC: 02Q--o09  
CONTACT: Arthur Morgan PHONE: 399-4343 LONGITUDE: 78-39-03 COMP. DEPTH: 115 USE: GC  
ADDRESS: P.O. Box 746 LATITUDE: 33-52-38 DRILL DEPTH: 115 YIELD: 255  
North Myrtle Be, SC 29582 DISTANCE: 2.24 MILES ENE ELEV: 25.00  
REMARKS: Date completed was 1973. LOCATION: Near maintenance shed

COMPANY: Cherry Grove Golf Co COUNTY: AQUIFER: Tertiary SCWRC: 02Q--o10  
CONTACT: Arthur Morgan PHONE: 249-1449 LONGITUDE: 78-38-58 COMP. DEPTH: 96 USE: GC  
ADDRESS: P.O. Box 3165 LATITUDE: 33-52-28 DRILL DEPTH: 96 YIELD: -1  
N. Myrtle Beach, SC 29582 DISTANCE: 2.26 MILES ENE ELEV: 40.00  
REMARKS: Have very little reliable data on this well. LOCATION: Eagle Nest Golf Course

COMPANY: Caro-Strand Corp. COUNTY: AQUIFER: Shallow SCWRC: 02Q--o11  
CONTACT: Keith Floyd PHONE: 249-2026 LONGITUDE: 78-39-36 COMP. DEPTH: 12 USE: GC  
ADDRESS: P.O. Box 240 LATITUDE: 33-52-29 DRILL DEPTH: 0 YIELD: 60  
North Myrtle Be, SC 29597 DISTANCE: 1.68 MILES ENE ELEV: 35.00  
REMARKS: Bay Tree Golf Plantation. LOCATION: 4 mls N. Hwy 9 & mainten. shop

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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Caro-Strand Corp.	COUNTY:	AQUIFER: Black Creek/PD	SCWRC: 02Q--o12
CONTACT: Keith Floyd	PHONE: 249-2026	LONGITUDE: 78-39-38	COMP. DEPTH: 225
ADDRESS: P.O. Box 240		LATITUDE: 33-52-21	DRILL DEPTH: 225
N. Myrtle Beach, SC 29597		DISTANCE: 1.60 MILES ENE	ELEV: 0.00
REMARKS:		LOCATION: Route 2, Highway 9	YIELD: 125
COMPANY: Cherry Grove Golf Co	COUNTY:	AQUIFER: Shallow	SCWRC: 02Q--o13
CONTACT: Arthur Morgan	PHONE: 399-4343	LONGITUDE: 78-39-03	COMP. DEPTH: 15
ADDRESS: P.O. Box 746		LATITUDE: 33-52-37	DRILL DEPTH: 0
North Myrtle Be, SC 29582		DISTANCE: 2.23 MILES ENE	ELEV: 0.00
REMARKS: Eagle Nest Golf Course.		LOCATION: Behind maintenance shed	YIELD: 1000
COMPANY: Little River W&S Co.	COUNTY:	AQUIFER: Black Creek	SCWRC: 02Q--p01
CONTACT: George Adams	PHONE: 249-4025	LONGITUDE: 78-39-38	COMP. DEPTH: 500
ADDRESS: P.O. Box 68		LATITUDE: 33-51-56	DRILL DEPTH: 500
Little River, SC 29566		DISTANCE: 1.56 MILES ESE	ELEV: 40.00
REMARKS: Well purchased from Bay T. Golf P. By Little R. in '79 or 80		LOCATION: Near Nixon's Crossroads	YIELD: 250
COMPANY: Dr. N.F. Nixon, Jr.	COUNTY:	AQUIFER: Black Creek	SCWRC: 02Q--p05
CONTACT:	PHONE: 249-2620	LONGITUDE: 78-39-27	COMP. DEPTH: 350
ADDRESS: Highway 9		LATITUDE: 33-51-23	DRILL DEPTH: 600
Little River,, SC		DISTANCE: 1.87 MILES ESE	ELEV: 25.00
REMARKS: Very little infor. about well; person who had it put in;died		LOCATION: Cherry Grove Beach	YIELD: -1
COMPANY: Robert Frost	COUNTY:	AQUIFER:	SCWRC: 02Q--p06
CONTACT:	PHONE:	LONGITUDE: 78-39-01	COMP. DEPTH: 66
ADDRESS:		LATITUDE: 33-51-45	DRILL DEPTH: 66
Little River,, SC		DISTANCE: 2.16 MILES ESE	ELEV: 20.00
REMARKS: Ph = 9.3 Cl = 15 ms/l sp. Conductance 290. SWL 20.		LOCATION: Little River	YIELD: -1

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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Waterford Invest. Co	COUNTY:	AQUIFER:	SCWRC: 02Q--p07
CONTACT: PHONE: 249-5488	LONGITUDE: 78-39-08	COMP. DEPTH: 124	USE: IR
ADDRESS: P.O. Box 768	LATITUDE: 33-51-54	DRILL DEPTH: 124	YIELD: 60
N. Myrtle Beach, SC 29597	DISTANCE: 2.04 MILES ESE	ELEV: 0.00	
REMARKS:	LOCATION: Little River Inn		
COMPANY: Cedar Creek Coquina	COUNTY:	AQUIFER:	SCWRC: 02Q--q01
CONTACT: PHONE:	LONGITUDE: 78-38-24	COMP. DEPTH: 40	USE:
ADDRESS:	LATITUDE: 33-51-50	DRILL DEPTH: 40	YIELD: -1
Little River, SC	DISTANCE: 2.74 MILES ESE	ELEV: 20.00	
REMARKS: Water quality was indicative of shallow ground wt. fr. area.	LOCATION: Cedar Creek Coquina Mine		
COMPANY: Mrs. Sue Holmes	COUNTY:	AQUIFER: Tertiary	SCWRC: 02Q--r01
CONTACT: PHONE:	LONGITUDE: 78-37-58	COMP. DEPTH: 60	USE: DO
ADDRESS: c/o Little River Post Of.	LATITUDE: 33-51-59	DRILL DEPTH: 60	YIELD: -1
Little River, SC	DISTANCE: 3.15 MILES ESE	ELEV: 20.00	
REMARKS: Iron stains are bad Owner says water is hard. Iron Bacteria.	LOCATION: Little River Post Office		
COMPANY: Riverside Marine Cam	COUNTY:	AQUIFER: Tertiary	SCWRC: 02Q--r02
CONTACT: PHONE: 249-1742	LONGITUDE: 78-37-10	COMP. DEPTH: 60	USE: WS
ADDRESS: Little River Neck Road	LATITUDE: 33-51-45	DRILL DEPTH: 60	YIELD: -1
Cherry Grove B., SC	DISTANCE: 3.93 MILES ESE	ELEV: 20.00	
REMARKS: Shallow Well.	LOCATION: Cherry Grove Beach		
COMPANY: Eastport Golf Club	COUNTY:	AQUIFER: Peedee	SCWRC: 02Q--m06
CONTACT: Mark Rohdenburg PHONE: 249-3997	LONGITUDE: 78-37-48	COMP. DEPTH: 75	USE: GC
ADDRESS: P.O. Box 300	LATITUDE: 33-52-03	DRILL DEPTH: 75	YIELD: 83
N. Myrtle Beach, SC 29597	DISTANCE: 3.32 MILES ENE	ELEV: 0.00	
REMARKS: Eastport Country Club; 5 miles SW of Little River.	LOCATION: 200' SE of 10th hole		

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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Eastport Golf Club	COUNTY:	AQUIFER: Shallow	SCWRC: 02Q--r05
CONTACT: Mark Rohdenburg	PHONE: 249-3997	LONGITUDE: 78-37-33	COMP. DEPTH: 43
ADDRESS: P.O. Box 300		LATITUDE: 33-51-53	DRILL DEPTH: 80
N. Myrtle Beach, SC 29597		DISTANCE: 3.56 MILES ESE	ELEV: 0.00
REMARKS:		LOCATION: 50' NW of 13th tee	YIELD: 25
			USE: GC

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 02R--d01
CONTACT: Paul Drews	PHONE:	LONGITUDE: 78-38-34	COMP. DEPTH: 100
ADDRESS: 507 28th Avenue North		LATITUDE: 33-49-39	DRILL DEPTH: 100
Myrtle Beach,, SC 29577		DISTANCE: 3.73 MILES SSE	ELEV: 20.00
REMARKS: Near 59th Avenue North and Nixon Street.		LOCATION: Cherry Grove Water Tank Site	YIELD: -1
			USE: OB

COMPANY: Hen Curley	COUNTY:	AQUIFER:	SCWRC: 02Q--x02
CONTACT:	PHONE:	LONGITUDE: 78-38-54	COMP. DEPTH: 38
ADDRESS:		LATITUDE: 33-50-31	DRILL DEPTH: 38
N. Myrtle Beach, SC		DISTANCE: 2.83 MILES ESE	ELEV: 20.00
REMARKS: Cherry Grove; date completed 1967; very little iron.		LOCATION: Sea Mountain Highway	YIELD: -1
			USE: DO

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 02Q--x03
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-38-43	COMP. DEPTH: 400
ADDRESS: 1015 2nd Avenue S.		LATITUDE: 33-50-22	DRILL DEPTH: 454
North Myrtle Pe, SC 29582		DISTANCE: 3.07 MILES ESE	ELEV: 17.00
REMARKS: Well name is also Donnaburger.		LOCATION: 3,600' E. hwy 17 & Sea Mt. hwy	YIELD: 450
			USE: WS

COMPANY: Robbers Roost Golf C	COUNTY:	AQUIFER: Pee Dee	SCWRC: 02Q--y01
CONTACT: William Burris	PHONE: 249-2085	LONGITUDE: 78-39-23	COMP. DEPTH: 200
ADDRESS: P.O. Box 68		LATITUDE: 33-50-30	DRILL DEPTH: 200
North Myrtle Pe, SC 29582		DISTANCE: 2.49 MILES ESE	ELEV: 20.00
REMARKS: Golf Course Irrigation.		LOCATION: 500 SE hwy 17 & Robbers RGC	YIELD: 400
			USE: GC

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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Ocean Drive Ice Co.	COUNTY:	AQUIFER: Black Creek	SCWRC: 02Q--y02
CONTACT: PHONE: 249-1532	LONGITUDE: 78-39-57	COMP. DEPTH: 500	USE: IN
ADDRESS: Highway 17	LATITUDE: 33-50-26	DRILL DEPTH: 500	YIELD: -1
N. Myrtle Beach, SC	DISTANCE: 2.19 MILES SSE	ELEV: 20.00	
REMARKS:	LOCATION: Hwy. 17 Ocean Drive Beach		

COMPANY: Tony's Restaurant	COUNTY:	AQUIFER:	SCWRC: 02Q--y03
CONTACT: Jack Springs PHONE:	LONGITUDE: 78-39-42	COMP. DEPTH: 400	USE: IN
ADDRESS: Highway 17	LATITUDE: 33-50-38	DRILL DEPTH: 400	YIELD: -1
N. Myrtle Beach, SC	DISTANCE: 2.16 MILES SSE	ELEV: 20.00	
REMARKS: Restaurant serves 200 per day. Closed Nov.- Jan. Open 5pm10p	LOCATION: Intersect. of 17 Bus & 17 Byp.		

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 02Q--y04
CONTACT: Ralph Norris PHONE: 249-0222	LONGITUDE: 78-39-08	COMP. DEPTH: 607	USE: WS
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-50-56	DRILL DEPTH: 607	YIELD: 500
North Myrtle Be, SC 29582	DISTANCE: 2.37 MILES ESE	ELEV: 20.00	
REMARKS: PWL 133' @ 508 gpm.	LOCATION: 700' SE hwy 236 & Old CherryRd		

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Pee Dee	SCWRC: 02Q--y05
CONTACT: Paul Drews PHONE: 626-3793	LONGITUDE: 78-39-08	COMP. DEPTH: 45	USE: OB
ADDRESS: 507 28th Avenue North	LATITUDE: 33-50-55	DRILL DEPTH: 45	YIELD: -1
Myrtle Beach, SC 29577	DISTANCE: 2.38 MILES ESE	ELEV: 20.00	
REMARKS: Sea Mountain #1 (Well name).	LOCATION: Myrtle Beach		

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Pee Dee	SCWRC: 02Q--y06
CONTACT: Paul Drews PHONE: 626-3793	LONGITUDE: 78-39-08	COMP. DEPTH: 120	USE: OB
ADDRESS: 507 28th Avenue North	LATITUDE: 33-50-55	DRILL DEPTH: 120	YIELD: -1
Myrtle Beach,, SC 29577	DISTANCE: 2.38 MILES ESE	ELEV: 20.00	
REMARKS: Sea Mountain #2 (Well name).	LOCATION: Myrtle Beach		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
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Date: 12/16/93

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL

BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Pee Dee	SCWRC: 02Q--y07
CONTACT: Paul Drews	PHONE: 626-3793	LONGITUDE: 78-39-08	COMP. DEPTH: 150
ADDRESS: 507 28th Avenue North		LATITUDE: 33-50-55	DRILL DEPTH: 151
Myrtle Beach,, SC 29577		DISTANCE: 2.38 MILES ESE	ELEV: 20.00
REMARKS: Sea Mountain #3 (Well name).		LOCATION: Myrtle Beach	

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Pee Dee	SCWRC: 02Q--y08
CONTACT: Paul Drews	PHONE: 626-3793	LONGITUDE: 78-39-08	COMP. DEPTH: 30
ADDRESS: 507 28th Avenue North		LATITUDE: 33-50-55	DRILL DEPTH: 30
Myrtle Beach,, SC 29577		DISTANCE: 2.38 MILES ESE	ELEV: 20.00
REMARKS: Sea Mountain #4 (well name).		LOCATION: Myrtle Beach	

COMPANY: Surf Golf & Beach Cl	COUNTY:	AQUIFER: Shallow	SCWRC: 02Q--y09
CONTACT: Dick Hutto	PHONE: 249-2024	LONGITUDE: 78-39-04	COMP. DEPTH: 15
ADDRESS: P.O. Box 47		LATITUDE: 33-50-12	DRILL DEPTH: 15
North Myrtle Be, SC 29597		DISTANCE: 2.95 MILES ESE	ELEV: 0.00
REMARKS:		LOCATION: Betwn 13th and 14th greens	

COMPANY: Surf Golf & Beach Cl	COUNTY:	AQUIFER: Pee Dee	SCWRC: 02Q--y10
CONTACT: Dick Hutto	PHONE: 249-2024	LONGITUDE: 78-39-05	COMP. DEPTH: 128
ADDRESS: P.O. Box 47		LATITUDE: 33-50-11	DRILL DEPTH: 133
North Myrtle Be, SC 29597		DISTANCE: 2.95 MILES SSE	ELEV: 0.00
REMARKS:		LOCATION: Betwn 13th and 14th Green	

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 02R--a05
CONTACT: Paul Drews	PHONE:	LONGITUDE: 78-39-38	COMP. DEPTH: 0
ADDRESS: 507 28th Avenue North		LATITUDE: 33-49-53	DRILL DEPTH: 0
Myrtle Beach,,		DISTANCE: 2.89 MILES SSE	ELEV: 0.00
REMARKS: DC:R. MCCracken;		LOCATION:	

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 02R--d02
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-38-17	COMP. DEPTH: 500
ADDRESS: 1015 2nd Avenue S.		LATITUDE: 33-49-58	DRILL DEPTH: 500
N. Myrtle Beach, SC 29582		DISTANCE: 3.69 MILES ESE	ELEV: 10.00
REMARKS: Provides a source which may be utilized if emergency arises.		LOCATION: NE of 31st Ave. N. & Duffy St.	YIELD: 350

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER:	SCWRC: 02R--d03
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-38-22	COMP. DEPTH: 71
ADDRESS: 1015 2nd Avenue S.		LATITUDE: 33-49-58	DRILL DEPTH: 170
N. Myrtle Beach, SC 29582		DISTANCE: 3.62 MILES ESE	ELEV: 10.00
REMARKS: Test hole. Cherry Grove.		LOCATION: 35' from NW corner of 31st Ave	YIELD: -1

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER:	SCWRC: 02R--d04
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-38-22	COMP. DEPTH: 160
ADDRESS: 1015 2nd Avenue S.		LATITUDE: 33-49-58	DRILL DEPTH: 160
N. Myrtle Beach, SC 29582		DISTANCE: 3.62 MILES ESE	ELEV: 0.00
REMARKS: No evidence in file to suggest that well was ever drilled.		LOCATION: 35' W of well 02R--d03	YIELD: -1

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER:	SCWRC: 02R--d05
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-38-22	COMP. DEPTH: 160
ADDRESS: 1015 2nd Avenue S.		LATITUDE: 33-49-58	DRILL DEPTH: 160
N. Myrtle Beach, SC 29582		DISTANCE: 3.62 MILES ESE	ELEV: 0.00
REMARKS: Check to see if well was ever drilled.		LOCATION: 100' W. of well 02R--d03	YIELD: -1

COMPANY: Mr. Jerome Walker	COUNTY:	AQUIFER:	SCWRC: 02R--e01
CONTACT: PHONE: 249-2266	LONGITUDE: 78-39-40	COMP. DEPTH: 126	USE: DO
ADDRESS: 11th Avenue N. Tilghman B	LATITUDE: 33-49-37	DRILL DEPTH: 291	YIELD: -1
N. Myrtle Beach, SC	DISTANCE: 3.13 MILES SSE	ELEV: 20.00	
REMARKS: Good quality Pee Dee water.		LOCATION: N. Tilghman Beach	

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Surf Golf & Beach Cl	COUNTY:	AQUIFER: Shallow	SCWRC: 02R--e02
CONTACT: Dick Hutto	PHONE: 249-2024	LONGITUDE: 78-39-40	COMP. DEPTH: 15
ADDRESS: P.O. Box 47		LATITUDE: 33-49-54	DRILL DEPTH: 15
North Myrtle Be, SC 29597		DISTANCE: 2.85 MILES SSE	ELEV: 0.00
REMARKS: Golf Course Irrigation.		LOCATION: Betwn 3rd and 4th Greens	YIELD: 400
			USE: GC

COMPANY: Surf Golf & Beach Cl	COUNTY:	AQUIFER: Shallow	SCWRC: 02R--e03
CONTACT: Dick Hutto	PHONE: 249-2024	LONGITUDE: 78-39-11	COMP. DEPTH: 15
ADDRESS: P.O. Box 47		LATITUDE: 33-49-49	DRILL DEPTH: 15
North Myrtle Be, SC 29597		DISTANCE: 3.20 MILES SSE	ELEV: 0.00
REMARKS:		LOCATION: Betwn 18th green & Club House	YIELD: 400
			USE: GC

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 02R--e04
CONTACT: Paul Drews	PHONE:	LONGITUDE: 78-39-38	COMP. DEPTH: 0
ADDRESS: 507 28th Avenue North		LATITUDE: 33-49-53	DRILL DEPTH: 0
Myrtle Beach,,		DISTANCE: 2.89 MILES SSE	ELEV: 0.00
REMARKS:		LOCATION: Surf Golf & Beach Cl	YIELD: -1
			USE:

COMPANY: Surf Golf & Beach Cl	COUNTY:	AQUIFER: Pee Dee	SCWRC: 02R--e07
CONTACT: Dick Hutto	PHONE: 249-2024	LONGITUDE: 78-39-38	COMP. DEPTH: 145
ADDRESS: P.O. Box 47		LATITUDE: 33-49-53	DRILL DEPTH: 104
North Myrtle Be, SC 29597		DISTANCE: 2.89 MILES SSE	ELEV: 0.00
REMARKS: Near the Cypress pond; PWL 32.28.		LOCATION: 100 West of #4 fairway	YIELD: 500
			USE: GC

COMPANY: Little River W&S Co.	COUNTY:	AQUIFER:	SCWRC: 03Q--b01
CONTACT: George Adams	PHONE: 249-4025	LONGITUDE: 78-41-59	COMP. DEPTH: 494
ADDRESS: P.O. Box 68		LATITUDE: 33-54-08	DRILL DEPTH: 494
Little River, SC 29566		DISTANCE: 2.55 MILES NNW	ELEV: 0.00
REMARKS:		LOCATION: Little River Water & Sewage Co	YIELD: -1
			USE: AB

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Little River W&S Co.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03Q--b02
CONTACT: George Adams	PHONE: 249-4025	LONGITUDE: 78-41-58	COMP. DEPTH: 380
ADDRESS: P.O. Box 68		LATITUDE: 33-54-08	DRILL DEPTH: 380
Little River, SC 29566		DISTANCE: 2.55 MILES NNW	ELEV: 25.00
REMARKS:		LOCATION: E. Hwy 9 in Rum Bluff Subdvn.	YIELD: 350
COMPANY: Mr. Jimmy Cox	COUNTY:	AQUIFER: Black Creek	SCWRC: 03Q--c01
CONTACT:	PHONE:	LONGITUDE: 78-42-55	COMP. DEPTH: 210
ADDRESS: Route 1		LATITUDE: 33-54-46	DRILL DEPTH: 210
Longs,, SC		DISTANCE: 3.56 MILES NNW	ELEV: 10.00
REMARKS: Rest rooms and water fountain.		LOCATION: Cox's Store	YIELD: -1
COMPANY: Grand Strand W & S A	COUNTY:	AQUIFER: Black Creek	SCWRC: 03Q--p01
CONTACT: Douglas P. Wendel	PHONE: 347-4641	LONGITUDE: 78-44-17	COMP. DEPTH: 400
ADDRESS: P.O. Box 1537		LATITUDE: 33-51-23	DRILL DEPTH: 504
Conway, SC 29526		DISTANCE: 3.00 MILES WSW	ELEV: 40.00
REMARKS: PWL 44.9.		LOCATION: .7 mile east of highway 90	YIELD: 350
COMPANY: State of S.C.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03Q--r01
CONTACT:	PHONE: 248-4636	LONGITUDE: 78-42-18	COMP. DEPTH: 340
ADDRESS: 221 Main Street		LATITUDE: 33-51-02	DRILL DEPTH: 340
Conway,, SC		DISTANCE: 1.50 MILES SSW	ELEV: 40.00
REMARKS: Only for OBS & moni-toring of water level in Wampee Area.		LOCATION: Wampee Lookout Tower	YIELD: -1
COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03Q--u01
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-40-11	COMP. DEPTH: 600
ADDRESS: 1015 2nd Avenue South		LATITUDE: 33-50-20	DRILL DEPTH: 757
North Myrtle Be, SC 29582		DISTANCE: 2.17 MILES SSE	ELEV: 16.75
REMARKS: Vereen's Marina; PWL 103.9 @ 503 gpm.		LOCATION: 1000' W. hwy 17th & 11th Ave N	YIELD: 500

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LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.



S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER:	SCWRC: 03R--a01
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-40-23	COMP. DEPTH: 0
ADDRESS: 1015 2nd Avenue S.		LATITUDE: 33-49-18	DRILL DEPTH: 0
N. Myrtle Beach, SC 29582		DISTANCE: 3.21 MILES SSE	ELEV: 0.00
REMARKS:		LOCATION: N. Myrtle Beach	

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Shallow	SCWRC: 03R--a02
CONTACT: Paul Drews	PHONE: 626-3793	LONGITUDE: 78-40-27	COMP. DEPTH: 120
ADDRESS: 507 28th Avenue North		LATITUDE: 33-49-19	DRILL DEPTH: 175
Myrtle Beach,, SC 29577		DISTANCE: 3.18 MILES SSE	ELEV: 0.00
REMARKS: Test Hole.		LOCATION: Myrtle Beach	

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Pee Dee	SCWRC: 03R--a03
CONTACT: Paul Drews	PHONE: 626-3793	LONGITUDE: 78-40-27	COMP. DEPTH: 45
ADDRESS: 507 28th Avenue North		LATITUDE: 33-49-19	DRILL DEPTH: 45
Myrtle Beach,, SC 29577		DISTANCE: 3.18 MILES SSE	ELEV: 0.00
REMARKS: Test Hole 1981.		LOCATION: Myrtle Beach	

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Pee Dee	SCWRC: 03R--a04
CONTACT: Paul Drews	PHONE:	LONGITUDE: 78-40-27	COMP. DEPTH: 109
ADDRESS: 507 28th Avenue North		LATITUDE: 33-49-19	DRILL DEPTH: 120
Myrtle Beach,, SC 29577		DISTANCE: 3.18 MILES SSE	ELEV: 0.00
REMARKS: Test Hole 1981.		LOCATION: Myrtle Beach	

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER: Pee Dee	SCWRC: 03R--a05
CONTACT: Paul Drews	PHONE:	LONGITUDE: 78-40-27	COMP. DEPTH: 108
ADDRESS: 507 28th Avenue North		LATITUDE: 33-49-19	DRILL DEPTH: 110
Myrtle Beach,, SC 29577		DISTANCE: 3.18 MILES SSE	ELEV: 0.00
REMARKS: Test Hole 1981. 3R--a2 - a5 all very close to one another.		LOCATION: Myrtle Beach	

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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Gator Hole Golf Cour COUNTY: AQUIFER: Black Creek SCWRC: 03R--a06  
CONTACT: Chris Tilghman PHONE: 249-3543 LONGITUDE: 78-40-13 COMP. DEPTH: 280 USE: GC  
ADDRESS: P.O. Box 154 LATITUDE: 33-49-32 DRILL DEPTH: 280 YIELD: 300  
North Myrtle Be, SC 29582 DISTANCE: 3.00 MILES SSE ELEV: 20.00  
REMARKS: 1st open hole well to go in; will be interest. to check desi LOCATION: 600' W. Hillside Dr. & 8th Ave

COMPANY: Merlin L. Bellamy COUNTY: AQUIFER: Pee Dee SCWRC: 03R--a07  
CONTACT: PHONE: 272-5432 LONGITUDE: 78-40-24 COMP. DEPTH: 100 USE: DO  
ADDRESS: P.O. Box 272 LATITUDE: 33-49-19 DRILL DEPTH: 100 YIELD: -1  
N. Myrtle Beach, SC DISTANCE: 3.19 MILES SSE ELEV: 20.00  
REMARKS: Mr. Bellamy was afrdthat the shallowwellwould take his wt.sp LOCATION: N. Myrtle Beach

COMPANY: U.S.G. Survey COUNTY: AQUIFER: Pee Dee SCWRC: 03R--a08  
CONTACT: Paul Drews PHONE: 626-3793 LONGITUDE: 78-40-21 COMP. DEPTH: 110 USE: OB  
ADDRESS: 507 28th Avenue North LATITUDE: 33-49-27 DRILL DEPTH: 110 YIELD: -1  
Myrtle Beach,, SC 29577 DISTANCE: 3.06 MILES SSE ELEV: 0.00  
REMARKS: Test Hole. LOCATION: Myrtle Beach

COMPANY: U.S.G. Survey COUNTY: AQUIFER: SCWRC: 03R--a09  
CONTACT: Paul Drews PHONE: 626-3793 LONGITUDE: 78-45-91 COMP. DEPTH: 110 USE: OB  
ADDRESS: 507 28th Avenue North LATITUDE: 33-49-91 DRILL DEPTH: 110 YIELD: -1  
Myrtle Beach,, SC 29577 DISTANCE: 0.00 MILES UNK ELEV: 0.00  
REMARKS: Not much information in the file; test hole. LOCATION: Hillside Drive

COMPANY: U.S.G. Survey COUNTY: A IFER: Shallow SCWRC: 03R--a10  
CONTACT: Paul Drews PHONE: 626-3793 LONGITUDE: 78-45-91 COMP. DEPTH: 135 USE: OB  
ADDRESS: 507 28th Avenue North LATITUDE: 33-49-91 DRILL DEPTH: 135 YIELD: -1  
Myrtle Beach,, SC 29577 DISTANCE: 0.00 MILES UNK ELEV: 0.00  
REMARKS: Test Hole. LOCATION: Myrtle Beach

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LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 03R--a11
CONTACT: Paul Drews	PHONE: 626-3793	LONGITUDE: 78-40-19	COMP. DEPTH: 90
ADDRESS: 507 28th Avenue North	LATITUDE: 33-49-21	DRILL DEPTH: 100	USE: OB
Myrtle Beach,, SC 29577	DISTANCE: 3.18 MILES SSE	ELEV: 10.00	YIELD: -1
REMARKS: Test Hole.	LOCATION: Myrtle Beach		

COMPANY: Gator Hole Golf Cour	COUNTY:	AQUIFER: Shallow	SCWRC: 03R--a12
CONTACT: C. Tilghman	PHONE: 249-3543	LONGITUDE: 78-40-12	COMP. DEPTH: 15
ADDRESS: P.O. Box 154	LATITUDE: 33-49-34	DRILL DEPTH: 15	USE: GC
North Myrtle Be, SC 29582	DISTANCE: 2.97 MILES SSE	ELEV: 0.00	YIELD: 900
REMARKS: Pond	LOCATION: Between 7th & 8th greens		

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--a13
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-40-23	COMP. DEPTH: 627
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-49-18	DRILL DEPTH: 668	USE: WS
North Myrtle Be, SC 29582	DISTANCE: 3.21 MILES SSE	ELEV: 1.00	YIELD: 650
REMARKS:	LOCATION: 280' NE of Main St. & hwy 525		

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--b01
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-41-06	COMP. DEPTH: 702
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-49-39	DRILL DEPTH: 769	USE: WS
North Myrtle Be, SC 29582	DISTANCE: 2.70 MILES SSE	ELEV: 20.00	YIELD: 500
REMARKS: First Avenue and Bay Street.	LOCATION: 800' W. 1st Ave & Bay Street		

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--b02
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-41-54	COMP. DEPTH: 710
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-49-00	DRILL DEPTH: 750	USE: WS
North Myrtle Be, SC 29582	DISTANCE: 3.50 MILES SSW	ELEV: 20.00	YIELD: 500
REMARKS:	LOCATION: 800' NW 13th Ave. S.&Belle Dr.		

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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: City of N. Myrtle B. COUNTY: AQUIFER: SCWRC: 03R--b03  
CONTACT: Ralph Norris PHONE: 249-0222 LONGITUDE: 78-41-23 COMP. DEPTH: 44 USE: AB  
ADDRESS: 1015 2nd Avenue S. LATITUDE: 33-49-18 DRILL DEPTH: 50 YIELD: -1  
N. Myrtle Beach, SC 29582 DISTANCE: 3.11 MILES SSW ELEV: 20.00  
REMARKS: No construction data is available on this well. LOCATION: N. Myrtle Beach

COMPANY: U.S.G. Survey COUNTY: AQUIFER: SCWRC: 03R--b04  
CONTACT: Paul Drews PHONE: 626-3793 LONGITUDE: 78-41-54 COMP. DEPTH: 100 USE: OB  
ADDRESS: 507 28th Avenue North LATITUDE: 33-49-01 DRILL DEPTH: 100 YIELD: -1  
Myrtle Beach,, SC 29577 DISTANCE: 3.49 MILES SSW ELEV: 0.00  
REMARKS: Not much information in file. Casing diameter is 2" LOCATION: N. Myrtle Beach

COMPANY: Beachwood Golf Club COUNTY: AQUIFER: SCWRC: 03R--c01  
CONTACT: H. L. Bellamy PHONE: 272-5384 LONGITUDE: 78-42-18 COMP. DEPTH: 70 USE: IR  
ADDRESS: 1520 Highway 17 South LATITUDE: 33-49-10 DRILL DEPTH: 70 YIELD: -1  
N. Myrtle Beach, SC 29582 DISTANCE: 3.41 MILES SSW ELEV: 20.00  
REMARKS: Used water frm AlWW Irr. fr. ponds clubhouse. Open hole LOCATION: Beachwood Golf Club

COMPANY: Possum Trot Golf Clu COUNTY: AQUIFER: Pee Dee SCWRC: 03R--c02  
CONTACT: Frederick Gore PHONE: 272-5341 LONGITUDE: 78-42-01 COMP. DEPTH: 135 USE: GC  
ADDRESS: P.O. Box 297 LATITUDE: 33-49-39 DRILL DEPTH: 200 YIELD: 525  
North Myrtle Be, SC 29582 DISTANCE: 2.80 MILES SSW ELEV: 20.00  
REMARKS: Previous owners had no records available on well; PWL 35. LOCATION: 2050' fr. Pos. Trot Club House

COMPANY: Possum Trot G.C. COUNTY: AQUIFER: SCWRC: 03R--c03  
CONTACT: Fred Gore PHONE: 272-5341 LONGITUDE: 78-42-01 COMP. DEPTH: 0 USE: WS  
ADDRESS: P.O. Box 297 LATITUDE: 33-49-30 DRILL DEPTH: 0 YIELD: -1  
N. Myrtle Beach, SC 29582 DISTANCE: 2.97 MILES SSW ELEV: 20.00  
REMARKS: Used for bathrooms on the golf course; Produce approx.12gpm LOCATION: N. Myrtle Beach

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## S.C. DEPARTMENT OF HEALTH &amp; ENVIRONMENTAL CONTROL

## BUREAU OF SOLID &amp; HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Beachwood Golf Club	COUNTY:	AQUIFER:	SCWRC: 03R--c04
CONTACT: H. L. Bellamy	PHONE: 272-5384	LONGITUDE: 78-42-30	COMP. DEPTH: 130
ADDRESS: 1520 Highway 17 South		LATITUDE: 33-49-13	DRILL DEPTH: 130
North Myrtle Be, SC 29582		DISTANCE: 3.42 MILES SSW	ELEV: 0.00
REMARKS: 4" diameter in casing.		LOCATION: 510' from the 6th tee.	YIELD: 100
COMPANY: Possum Trot Golf Clu	COUNTY:	AQUIFER: Shallow	SCWRC: 03R--c05
CONTACT: Fred Gore	PHONE: 272-5341	LONGITUDE: 78-42-06	COMP. DEPTH: 15
ADDRESS: P.O. Box 297		LATITUDE: 33-49-18	DRILL DEPTH: 15
North Myrtle Be, SC 29582		DISTANCE: 3.21 MILES SSW	ELEV: 0.00
REMARKS: Pond.		LOCATION: Between the 4th & 18th greens	YIELD: 525
COMPANY: Leo Bourne	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--d01
CONTACT:	PHONE: 399-6653	LONGITUDE: 78-44-08	COMP. DEPTH: 364
ADDRESS: Highway 90		LATITUDE: 33-49-46	DRILL DEPTH: 364
N. Myrtle Beach, SC		DISTANCE: 3.78 MILES WSW	ELEV: 20.00
REMARKS:		LOCATION: Wampee Section highway 90	YIELD: -1
COMPANY: Leo Bourne	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--d02
CONTACT:	PHONE: 399-6653	LONGITUDE: 78-43-12	COMP. DEPTH: 537
ADDRESS: Highway 90		LATITUDE: 33-49-18	DRILL DEPTH: 550
N. Myrtle Beach, SC		DISTANCE: 3.63 MILES SSW	ELEV: 20.00
REMARKS: Strange odor. Pots turned black. Date completed 1965.		LOCATION: Wampee section; highway 90	YIELD: -1
COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--g01
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-43-01	COMP. DEPTH: 600
ADDRESS: 1015 2nd Avenue South		LATITUDE: 33-48-55	DRILL DEPTH: 600
North Myrtle Be, SC 29582		DISTANCE: 3.93 MILES SSW	ELEV: 20.00
REMARKS: On the extension of Deer Street.		LOCATION: NE of NMB Airport	YIELD: 500

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: City of N. Myrtle B. COUNTY: AQUIFER: Black Creek SCWRC: 03R--h01  
CONTACT: Ralph Norris PHONE: 249-0222 LONGITUDE: 78-42-20 COMP. DEPTH: 612 USE: WS  
ADDRESS: 1015 2nd Avenue S. LATITUDE: 33-48-33 DRILL DEPTH: 613 YIELD: 205  
N. Myrtle Beach, SC 29582 DISTANCE: 4.10 MILES SSW ELEV: 25.00  
REMARKS: Used only for emergencies due to high chloride content. LOCATION: N. Myrtle Beach

COMPANY: Azalea Sands G.C. COUNTY: AQUIFER: SCWRC: 03R--h02  
CONTACT: Jay J. Rabon PHONE: 272-6446 LONGITUDE: 78-42-48 COMP. DEPTH: 0 USE:  
ADDRESS: 2100 Highway 17 North LATITUDE: 33-48-37 DRILL DEPTH: 0 YIELD: -1  
Myrtle Beach,, SC 29582 DISTANCE: 4.16 MILES SSW ELEV: 20.00  
REMARKS: Superintendent had no records, but believed it was shallow. LOCATION: Myrtle Beach

COMPANY: Azalea Sands G.C. COUNTY: AQUIFER: Black Creek SCWRC: 03R--h03  
CONTACT: Joedit Rabon PHONE: 272-6446 LONGITUDE: 78-42-43 COMP. DEPTH: 380 USE: GC  
ADDRESS: 2100 Highway 17 North LATITUDE: 33-48-47 DRILL DEPTH: 404 YIELD: 135  
Myrtle Beach, SC 29582 DISTANCE: 3.96 MILES SSW ELEV: 20.00  
REMARKS: North of the Pump House. LOCATION: Azalea Sands Golf Club

COMPANY: Beachwood Golf Club COUNTY: AQUIFER: Shallow SCWRC: 03R--h05  
CONTACT: H. L. Bellamy PHONE: 272-5384 LONGITUDE: 78-42-21 COMP. DEPTH: 130 USE: GC  
ADDRESS: 1520 Highway 17 South LATITUDE: 33-48-59 DRILL DEPTH: 130 YIELD: 100  
North Myrtle Be, SC 29582 DISTANCE: 3.62 MILES SSW ELEV: 0.00  
REMARKS: POND; casing dia. 4"; Submersible. LOCATION: Between 5th & 6th fairways

COMPANY: Azalea Sands G.C. COUNTY: AQUIFER: Shallow SCWRC: 03R--h06  
CONTACT: Joedit Rabon PHONE: 272-6446 LONGITUDE: 78-42-43 COMP. DEPTH: 15 USE: GC  
ADDRESS: 2100 Highway 17 North LATITUDE: 33-48-47 DRILL DEPTH: 15 YIELD: 800  
Myrtle Beach, SC 29582 DISTANCE: 3.96 MILES SSW ELEV: 0.00  
REMARKS: POND. LOCATION: Between 13th and 14th fairways

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

Date: 12/16/93

## S.C. DEPARTMENT OF HEALTH &amp; ENVIRONMENTAL CONTROL

## BUREAU OF SOLID &amp; HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 03R--h07
CONTACT: Paul Drews	PHONE: 626-3793	LONGITUDE: 78-43-00	COMP. DEPTH: 150
ADDRESS: 507 28th Avenue North		LATITUDE: 33-49-10	DRILL DEPTH: 150
Myrtle Beach,, SC		DISTANCE: 3.67 MILES SSW	ELEV: 20.00
REMARKS: Well diameter 2"		LOCATION: N. Myrtle Beach Airport	

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 03R--h08
CONTACT: Paul Drews	PHONE: 626-3793	LONGITUDE: 78-43-00	COMP. DEPTH: 100
ADDRESS: 507 28th Avenue North		LATITUDE: 33-49-00	DRILL DEPTH: 100
Myrtle Beach,, SC 29577		DISTANCE: 3.84 MILES SSW	ELEV: 20.00
REMARKS: Well 2"		LOCATION: N. Myrtle Beach; Azalea GC	

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 03R--h09
CONTACT: Paul Drews	PHONE: 626-3793	LONGITUDE: 78-42-20	COMP. DEPTH: 100
ADDRESS: 507 28th Avenue North		LATITUDE: 33-48-34	DRILL DEPTH: 100
Myrtle Beach,, SC 29577		DISTANCE: 4.08 MILES SSW	ELEV: 20.00
REMARKS: Test well use only.		LOCATION: N. Myrtle Beach	

COMPANY: U.S.G. Survey	COUNTY:	AQUIFER:	SCWRC: 03R--h10
CONTACT: Paul Drews	PHONE: 626-3793	LONGITUDE: 78-42-07	COMP. DEPTH: 100
ADDRESS: 507 28th Avenue North		LATITUDE: 33-48-26	DRILL DEPTH: 100
Myrtle Beach,, SC 29577		DISTANCE: 4.18 MILES SSW	ELEV: 0.00
REMARKS: Well diameter 2"		LOCATION: 17th Ave. S. & Perrin Drive	

COMPANY: City of N. Myrtle B.	COUNTY:	AQUIFER: Black Creek	SCWRC: 03R--h12
CONTACT: Ralph Norris	PHONE: 249-0222	LONGITUDE: 78-42-18	COMP. DEPTH: 662
ADDRESS: 1015 2nd Avenue South		LATITUDE: 33-48-34	DRILL DEPTH: 700
North Myrtle Be, SC 29582		DISTANCE: 4.07 MILES SSW	ELEV: 0.00
REMARKS: Well name #12 crescent beach.		LOCATION: 210' SE of 18th Ave. & Edge Dr	

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

Date: 12/16/93

## S.C. DEPARTMENT OF HEALTH &amp; ENVIRONMENTAL CONTROL

## BUREAU OF SOLID &amp; HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: City of N. Myrtle B. COUNTY: AQUIFER: Black Creek SCWRC: 03R--i01  
CONTACT: Ralph Norris PHONE: 249-0222 LONGITUDE: 78-41-10 COMP. DEPTH: 561 USE: WS  
ADDRESS: 1015 2nd Avenue South LATITUDE: 33-48-59 DRILL DEPTH: 601 YIELD: 250  
North Myrtle Be, SC 29582 DISTANCE: 3.47 MILES SSE ELEV: 25.00  
REMARKS: Well name #4 9th Avenue & Hillside. LOCATION: 9th Avenue and Hillside NMB

COMPANY: Dunes Developmt Corp. COUNTY: AQUIFER: Pee Dee SCWRC: 02Q--y11  
CONTACT: Victor Cashwell PHONE: 249-5481 LONGITUDE: 78-39-33 COMP. DEPTH: 160 USE: LI  
ADDRESS: 211 N. Kings Highway LATITUDE: 33-50-19 DRILL DEPTH: 160 YIELD: 650  
N. Myrtle Beach, SC 29582 DISTANCE: 2.53 MILES SSE ELEV: 20.00  
REMARKS: Applied for class-a permit; did not need to. LOCATION: Fox Hollow Subdivision

COMPANY: U.S.G. Survey COUNTY: AQUIFER: SCWRC: 02R--e05  
CONTACT: Paul Drews PHONE: 626-3793 LONGITUDE: 78-39-38 COMP. DEPTH: 154 USE: OB  
ADDRESS: 507 28th Avenue North LATITUDE: 33-49-53 DRILL DEPTH: 154 YIELD: 656  
Myrtle Beach,, SC DISTANCE: 2.89 MILES SSE ELEV: -1.00  
REMARKS: PWL 21.7. LOCATION: Surf Golf & Beach Club

COMPANY: U.S.G. Survey COUNTY: AQUIFER: SCWRC: 02R--e06  
CONTACT: Paul Drews PHONE: 626-3793 LONGITUDE: 78-39-41 COMP. DEPTH: 110 USE: OB  
ADDRESS: 507 28th Avenue North LATITUDE: 33-49-52 DRILL DEPTH: 110 YIELD: -1  
Myrtle Beach,, SC 29577 DISTANCE: 2.88 MILES SSE ELEV: -1.00  
REMARKS: Well was used as obs. well for aquifer test at well 2R-e7. LOCATION: Myrtle Beach

COMPANY: Eastport Golf Club COUNTY: AQUIFER: Shallow SCWRC: 02Q--r06  
CONTACT: Mark Rohdenburg PHONE: 249-3997 LONGITUDE: 78-37-36 COMP. DEPTH: -1 USE: GC  
ADDRESS: P.O. Box 300 LATITUDE: 33-51-57 DRILL DEPTH: -1 YIELD: 1008  
N. Myrtle Beach, SC 29597 DISTANCE: 3.51 MILES ESE ELEV: 15.00  
REMARKS: LOCATION: 200' NW of 13th hole

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.



S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r07  
CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-23 COMP. DEPTH: -1 USE: GC  
ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-18 DRILL DEPTH: -1 YIELD: 65  
North Myrtle Bc, SC 29597 DISTANCE: 3.80 MILES ESE ELEV: -1.00  
REMARKS: LOCATION: East side of driving range.

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r08  
CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-12 COMP. DEPTH: -1 USE: GC  
ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-20 DRILL DEPTH: -1 YIELD: 67  
North Myrtle Bc, SC 29597 DISTANCE: 3.97 MILES ESE ELEV: -1.00  
REMARKS: LOCATION: EAST OF TEE #10.

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r09  
CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-09 COMP. DEPTH: -1 USE: GC  
ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-25 DRILL DEPTH: -1 YIELD: 63  
North Myrtle Bc, SC 29597 DISTANCE: 4.00 MILES ESE ELEV: -1.00  
REMARKS: LOCATION: BETWEEN TEES #10 AND #16.

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r10  
CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-12 COMP. DEPTH: -1 USE: GC  
ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-16 DRILL DEPTH: -1 YIELD: 43  
North Myrtle Bc, SC 29597 DISTANCE: 3.98 MILES ESE ELEV: -1.00  
REMARKS: LOCATION: WEST SIDE OF FAIRWAY #10.

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r11  
CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-08 COMP. DEPTH: -1 USE: GC  
ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-34 DRILL DEPTH: -1 YIELD: 42  
North Myrtle Bc, SC 29597 DISTANCE: 3.99 MILES ESE ELEV: -1.00  
REMARKS: LOCATION: BTW.FAIRWAY #16 & EAST.PROP.LN

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

## S.C. DEPARTMENT OF HEALTH &amp; ENVIRONMENTAL CONTROL

## BUREAU OF SOLID &amp; HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r12  
CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-03 COMP. DEPTH: -1 USE: GC  
ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-27 DRILL DEPTH: -1 YIELD: 17  
North Myrtle Bc, SC 29597 DISTANCE: 4.08 MILES ESE ELEV: -1.00

REMARKS: LOCATION: BTW.TEE #16 &amp; EAST.PROPERTY LN

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r13  
CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-36-59 COMP. DEPTH: -1 USE: GC  
ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-18 DRILL DEPTH: -1 YIELD: 35  
North Myrtle Bc, SC 29597 DISTANCE: 4.18 MILES ESE ELEV: -1.00

REMARKS: LOCATION: BTW.FAIRWAY #16 &amp; EAST.PROP.LN

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r14  
CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-04 COMP. DEPTH: -1 USE: GC  
ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-08 DRILL DEPTH: -1 YIELD: 25  
North Myrtle Bc, SC 29597 DISTANCE: 4.14 MILES ESE ELEV: -1.00

REMARKS: LOCATION: BTW.TEE #15 AND UNDERPASS.

COMPANY: Southern Land & Golf COUNTY: AQUIFER: SCWRC: 02Q--r15  
CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-19 COMP. DEPTH: -1 USE: GC  
ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-17 DRILL DEPTH: -1 YIELD: 1970  
North Myrtle Bc, SC 29597 DISTANCE: 3.87 MILES ESE ELEV: -1.00

REMARKS: LOCATION: PUMP HOUSE AT LAKE #1.

COMPANY: Southern Land & Golf COUNTY: AQUIFER: PeeDee SCWRC: 02Q--r16  
CONTACT: Steven L. Long PHONE: 803-249-1403 LONGITUDE: 78-37-16 COMP. DEPTH: 520 USE: GC  
ADDRESS: P.O. Drawer 3707 LATITUDE: 33-51-16 DRILL DEPTH: 520 YIELD: 460  
North Myrtle Bc, SC 29597 DISTANCE: 3.92 MILES ESE ELEV: -1.00

REMARKS: LOCATION: NEAR PUMP HOUSE AT LAKE #1

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.

LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

## S.C. DEPARTMENT OF HEALTH &amp; ENVIRONMENTAL CONTROL

## BUREAU OF SOLID &amp; HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Southern Land & Golf	COUNTY:	AQUIFER: Peedee	SCWRC: 02Q--r17
CONTACT: Steven L. Long	PHONE: 803-249-1403	LONGITUDE: 78-37-13	COMP. DEPTH: 33
ADDRESS: P.O. Drawer 3707		LATITUDE: 33-51-42	DRILL DEPTH: 33
North Myrtle Bc, SC 29597		DISTANCE: 3.89 MILES ESE	ELEV: -1.00
REMARKS:		LOCATION: Between Fairway 16 & East.Prop	

COMPANY: Southern Land & Golf	COUNTY:	AQUIFER: Peedee	SCWRC: 02Q--r18
CONTACT: Steven L. Long	PHONE: 803-249-1403	LONGITUDE: 78-37-25	COMP. DEPTH: 44
ADDRESS: P.O. Drawer 3707		LATITUDE: 33-51-27	DRILL DEPTH: 44
North Myrtle Bc, SC 29597		DISTANCE: 3.74 MILES ESE	ELEV: -1.00
REMARKS:		LOCATION:	

COMPANY: NMB LIBRARY	COUNTY:	AQUIFER: PEEDEE	SCWRC: 03R--a14
CONTACT:	PHONE: 626-1370	LONGITUDE: 78-40-44	COMP. DEPTH: 78
ADDRESS: 2ND AVE. N.		LATITUDE: 33-49-34	DRILL DEPTH: -1
NMB, SC 29578		DISTANCE: 2.84 MILES SSE	ELEV: 20.00
REMARKS: ALTERNATE PHONE #248-1370.		LOCATION: N MYRTLE LIBRARY 2ND AVE N	

COMPANY: Caro-Strand Corporation	COUNTY: Horry	AQUIFER:	SCWRC: 26GC02G05
CONTACT:	PHONE:	LONGITUDE: 78-39-36	COMP. DEPTH: 0
ADDRESS: P.O. Box 240		LATITUDE: 33-52-29	DRILL DEPTH: 0
N. Myrtle Beach, SC 29597		DISTANCE: 1.68 MILES ENE	ELEV: 0.00
REMARKS:		LOCATION:	

COMPANY: Azalea Sand Golf Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC01G01
CONTACT:	PHONE:	LONGITUDE: 78-42-43	COMP. DEPTH: 0
ADDRESS: 2100 Highway 17 N.		LATITUDE: 33-48-47	DRILL DEPTH: 0
Myrtle Beach, SC 29582		DISTANCE: 3.96 MILES SSW	ELEV: 0.00
REMARKS:		LOCATION:	

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Azalea Sand Golf Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC01G02
CONTACT: PHONE:	LONGITUDE: 78-42-43	COMP. DEPTH: 0	USE:
ADDRESS: 2100 Highway 17 N.	LATITUDE: 33-48-47	DRILL DEPTH: 0	YIELD: 0
Myrtle Beach, SC 29582	DISTANCE: 3.96 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Caro-Strand Corporation	COUNTY: Horry	AQUIFER:	SCWRC: 26GC02G01
CONTACT: PHONE:	LONGITUDE: 78-39-35	COMP. DEPTH: 0	USE:
ADDRESS: P.O. Box 240	LATITUDE: 33-52-04	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 1.60 MILES ENE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Caro-Strand Corporation	COUNTY: Horry	AQUIFER:	SCWRC: 26GC02G02
CONTACT: PHONE:	LONGITUDE: 78-39-40	COMP. DEPTH: 0	USE:
ADDRESS: P.O. Box 240	LATITUDE: 33-51-53	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 1.53 MILES ESE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Caro-Strand Corporation	COUNTY: Horry	AQUIFER:	SCWRC: 26GC02G03
CONTACT: PHONE:	LONGITUDE: 78-39-37	COMP. DEPTH: 0	USE:
ADDRESS: P.O. Box 240	LATITUDE: 33-52-28	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 1.66 MILES ENE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Caro-Strand Corporation	COUNTY: Horry	AQUIFER:	SCWRC: 26GC02G04
CONTACT: PHONE:	LONGITUDE: 78-39-38	COMP. DEPTH: 0	USE:
ADDRESS: P.O. Box 240	LATITUDE: 33-52-21	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 1.60 MILES ENE	ELEV: 0.00	
REMARKS:	LOCATION:		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Beachwood Golf Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC03G01
CONTACT: PHONE:	LONGITUDE: 78-42-30	COMP. DEPTH: 0	USE:
ADDRESS: 1520 Highway 17 South	LATITUDE: 33-49-13	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.42 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Beachwood Golf Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC03G02
CONTACT: PHONE:	LONGITUDE: 78-42-21	COMP. DEPTH: 0	USE:
ADDRESS: 1520 Highway 17 South	LATITUDE: 33-48-59	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.62 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Robbers Roost Golf Course	COUNTY: Horry	AQUIFER:	SCWRC: 26GC08G01
CONTACT: PHONE:	LONGITUDE: 78-39-23	COMP. DEPTH: 0	USE:
ADDRESS: P.O. Box 68	LATITUDE: 33-50-30	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 2.49 MILES ESE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Possum Trot Golf Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC10G01
CONTACT: PHONE:	LONGITUDE: 78-42-06	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 297	LATITUDE: 33-49-30	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 2.99 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Possum Trot Golf Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC10G02
CONTACT: PHONE:	LONGITUDE: 78-42-06	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 297	LATITUDE: 33-49-18	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.21 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Surf Golf & Beach Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC13G01
CONTACT: PHONE:	LONGITUDE: 78-39-05	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 47	LATITUDE: 33-50-11	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 2.95 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Surf Golf & Beach Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC13G02
CONTACT: PHONE:	LONGITUDE: 78-39-38	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 47	LATITUDE: 33-49-53	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 2.89 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Surf Golf & Beach Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC13G03
CONTACT: PHONE:	LONGITUDE: 78-39-04	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 47	LATITUDE: 33-50-12	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 2.95 MILES ESE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Surf Golf & Beach Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC13G04
CONTACT: PHONE:	LONGITUDE: 78-39-40	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 47	LATITUDE: 33-49-54	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 2.85 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Surf Golf & Beach Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC13G05
CONTACT: PHONE:	LONGITUDE: 78-39-11	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 47	LATITUDE: 33-49-49	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 3.20 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Surf Golf & Beach Club	COUNTY: Horry	AQUIFER:	SCWRC: 26GC13G06
CONTACT: PHONE:	LONGITUDE: 78-39-38	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 47	LATITUDE: 33-49-53	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 2.89 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: The Gator Hole Golf Cours	COUNTY: Horry	AQUIFER:	SCWRC: 26GC16G01
CONTACT: PHONE:	LONGITUDE: 78-40-10	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 154	LATITUDE: 33-49-30	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.06 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: The Gator Hole Golf Cours	COUNTY: Horry	AQUIFER:	SCWRC: 26GC16G02
CONTACT: PHONE:	LONGITUDE: 78-40-13	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 154	LATITUDE: 33-49-32	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.00 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: The Maritime Corp., dba C	COUNTY: Horry	AQUIFER:	SCWRC: 26GC24G01
CONTACT: PHONE:	LONGITUDE: 78-37-18	COMP. DEPTH: 0	USE:
ADDRESS: P. O. Box 209	LATITUDE: 33-52-28	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29597	DISTANCE: 3.83 MILES ENE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Cherry Grove Golf Corpora	COUNTY: Horry	AQUIFER:	SCWRC: 26GC25G01
CONTACT: PHONE:	LONGITUDE: 78-39-03	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 746	LATITUDE: 33-52-38	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 2.24 MILES ENE	ELEV: 0.00	
REMARKS:	LOCATION:		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G01
CONTACT: PHONE:	LONGITUDE: 78-38-41	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-50-03	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.33 MILES ESE	ELEV: 0.00	
REMARKS:	LOCATION:		

COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G03
CONTACT: PHONE:	LONGITUDE: 78-40-11	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-50-20	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 2.17 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		

COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G04
CONTACT: PHONE:	LONGITUDE: 78-41-06	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-49-39	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 2.70 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		

COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G05
CONTACT: PHONE:	LONGITUDE: 78-41-54	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-49-00	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.50 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		

COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G07
CONTACT: PHONE:	LONGITUDE: 78-43-01	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-48-55	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.93 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.



Date: 12/16/93

## S.C. DEPARTMENT OF HEALTH &amp; ENVIRONMENTAL CONTROL

## BUREAU OF SOLID &amp; HAZARDOUS WASTE

SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE

THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G09
CONTACT: PHONE:	LONGITUDE: 78-41-10	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-48-59	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.47 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G11
CONTACT: PHONE:	LONGITUDE: 78-40-23	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-49-18	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 3.21 MILES SSE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: City of North Myrtle Beac	COUNTY: Horry	AQUIFER:	SCWRC: 26WS01G12
CONTACT: PHONE:	LONGITUDE: 78-42-18	COMP. DEPTH: 0	USE:
ADDRESS: 1015 2nd Avenue South	LATITUDE: 33-48-34	DRILL DEPTH: 0	YIELD: 0
N. Myrtle Beach, SC 29582	DISTANCE: 4.07 MILES SSW	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Little River Water & Sewe	COUNTY: Horry	AQUIFER:	SCWRC: 26WS06G01
CONTACT: PHONE:	LONGITUDE: 78-39-25	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 68	LATITUDE: 33-52-47	DRILL DEPTH: 0	YIELD: 0
Little River, SC 29566	DISTANCE: 1.98 MILES ENE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Little River Water & Sewe	COUNTY: Horry	AQUIFER:	SCWRC: 26WS06G02
CONTACT: PHONE:	LONGITUDE: 78-39-13	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 68	LATITUDE: 33-52-32	DRILL DEPTH: 0	YIELD: 0
Little River, SC 29566	DISTANCE: 2.05 MILES ENE	ELEV: 0.00	
REMARKS:	LOCATION:		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED OLD CHERRY GROVE LANDFILL, 335200.0 LATITUDE 784115.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY: Little River Water & Sewe	COUNTY: Horry	AQUIFER:	SCWRC: 26WS06G03
CONTACT: PHONE:	LONGITUDE: 78-39-38	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 68	LATITUDE: 33-51-56	DRILL DEPTH: 0	YIELD: 0
Little River, SC 29566	DISTANCE: 1.56 MILES ESE	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Little River Water & Sewe	COUNTY: Horry	AQUIFER:	SCWRC: 26WS06G04
CONTACT: PHONE:	LONGITUDE: 78-41-59	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 68	LATITUDE: 33-54-08	DRILL DEPTH: 0	YIELD: 0
Little River, SC 29566	DISTANCE: 2.55 MILES NNW	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Little River Water & Sewe	COUNTY: Horry	AQUIFER:	SCWRC: 26WS06G05
CONTACT: PHONE:	LONGITUDE: 78-41-59	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 68	LATITUDE: 33-54-08	DRILL DEPTH: 0	YIELD: 0
Little River, SC 29566	DISTANCE: 2.55 MILES NNW	ELEV: 0.00	
REMARKS:	LOCATION:		
COMPANY: Grand Strand Water & Sewe	COUNTY: Horry	AQUIFER:	SCWRC: 26WS09G01
CONTACT: PHONE:	LONGITUDE: 78-44-17	COMP. DEPTH: 0	USE:
ADDRESS: Post Office Box 1537	LATITUDE: 33-51-23	DRILL DEPTH: 0	YIELD: 0
Conway, SC 29526	DISTANCE: 3.00 MILES WSW	ELEV: 0.00	
REMARKS:	LOCATION:		

NOTE: LATITUDES OR LONGITUDES ENDING IN 95 ARE ONLY ACCURATE TO WITHIN 5 MINUTES.  
LATITUDES OR LONGITUDES ENDING IN 91 ARE ONLY ACCURATE TO WITHIN 1 MINUTE.

RECEIVED

SITE DISCOVERY FORM

NOV 7 1990

S. C. Dept. of Health & Environmental  
Control-Bureau of Solid & Hazardous  
Waste Management

ACTION: A

EPA ID: \_\_\_\_\_

SOURCE: \_\_\_\_\_ (R=EPA, T=STATE)

SITE NAME: OLD CHERRY GROVE LANDFILL  
CL (CRE LANDFILL) (40 chr. max.)

LOC. ADDRESS: NORTH WEST OF NIXONS C  
ROSS ROADS (40 chr. max.)

CITY NAME: LITTLE RIVER  
(25 chr. max.) ZIP CODE: \_\_\_\_\_

COUNTY: Horry (15 chr. max.)

COUNTY CODE: \_\_\_\_\_ (optional) CONG DIST: \_\_\_\_\_ (optional)

LATITUDE: 33°15'15.2" LONGITUDE: 78°14'10.6"

SITE DESCRIPTION: UNPERMITTED OPEN DUMP  
P

(160 chr. max.)

DISTRICT NAME: WACCAMAW (10 chr. max.)

SITE DISCOVERY DATE: 10/29/90

REPORTED BY: Van Keisler

REASON FOR LISTING: Facility in operation before solid waste regulations  
Waste deposited in landfill is unknown and undocumented.



## MEMORANDUM

Ref 16

**TO:** File

**FROM:** Richard Bonds  
Site Engineering Section

**RE:** CRE Landfill Meeting  
Room 405 Sims  
1:00 PM  
Tuesday, November 13, 1990

### MEETING PARTICIPANTS:

#### SCDHEC:

Superfund Section:	Keith Lindler
	Richard Bonds
Enforcement:	Renee Shealy
Solid Waste Permitting:	Dewey Pearson
	April Grunsky
Hydrogeology:	Mike Muthig
	Van Keisler
	Harry Mathis

#### CRE Group:

Bob Whelen, Gilford Mills  
Barry Nelson, Engineering Tectonics  
Fred Nubey, Attorney representing CRE investment group  
Charles Dameron, Representative of CRE investment group

---

CRE requested a meeting to discuss status of landfill. Engineering Tectonics, under contract from CRE investment group, performed a limited hydrogeological investigation at the CRE landfill and also submitted a closure and post closure plan to the Solid Waste Permitting Section. Because the landfill is unpermitted, it has been placed on the State CERCLIS list. CRE was informed of this in the meeting. They were also informed that they must sign an administrative consent order before the Department (DHEC) will take any further action. Keith Lindler and Mike Muthig explained to CRE that this is a normal departmental procedure for non-permitted sites. CRE stated that they felt DHEC had no regulatory authority over this landfill. Mike Muthig stated that the Department does have the right to place the CRE landfill on CERCLIS because of the uncertainty of wastes disposed of in unpermitted landfills.

Ref 17

To: April Gruntsky  
From: Barry Nelson

RECEIVED

OCT 29 1990  
S. C. DEPT. OF  
ENVIRONMENTAL  
Bureau of Solid  
Waste Management

Please glue these revised paragraphs into the  
CRE Landfill Closure Plan. Thanks.

#### OPERATIONAL HISTORY

The exact dates of usage cannot be precisely determined due to the fact that 1) the incorporation of the individual towns along the Grand Strand into the City of North Myrtle Beach has resulted in incomplete records of individual municipal services by the towns prior to incorporation; 2) no documentation of a lease or agreement is on file at International Paper due to a records purge in 1981, and; 3) no state permits were required of landfills prior to 1972. The primary evidence for the four year operation is based on the fact that International Paper had numerous agreements across the nation for similar projects and that these normally were for a period of four years. This information was substantiated by Mr. Ollie Fick of International Paper's Atlanta, Georgia Office.

RECEIVED

OCT 29 1990

S. C. Dept. of Health & Environmental  
Control-Bureau of Solid & Hazardous  
Waste Management

Ref 18

South Carolina  
**DHEC**  
Department of Health and Environmental Control  
Site Screening Section  
Bureau of Solid & Hazardous Waste Management

## RECORD OF COMMUNICATION

- ☒ Phone Call  
☐ Discussion  
☐ Site Visit  
☐ Conference  
☐ Other (Specify)

---

TO: Old Cherry Grove Landfill file

FROM: Greg George

DATE: December 21, 1993

TIME: 3:30pm

---

SUBJECT: Conversation with Van Keisler concerning the site.

---

### SUMMARY

Van informed me that the Closure plan was completed by the Owners. The owners requested approval of the plan and SCDHEC would not approve without a consent order. The site was referred to CERCLA and put on the inactive file in Permitting. No work has since been done on the site.

# Renee Shealy Notes

Res. 19  
(Cherry Grove  
W. city hall etc.)  
allowed communities to develop

International Paper closed prior

CLE Investments -

413 acres

1955 - 1986 - bought property (large tract Honey C.)  
last year looked into building golf course

found 17 acre site - can  
used 1960's closed prior 72

11 mon. wells installed

Domestic + Commercial waste

other groups preparing to purchase land + develop -  
CLE is not developer

Cherry Grove  
W. city hall  
etc.

air pollutants

UIC

BINH

TR

sub/sect

stars

- approve Cays consent agreement.  
submit plan addressing Vans memo.  
develop assess  
where wells are + what sampling for.  
what shows up in sampling.
  - go rem. or further invest
  - may require doing three Cays



# PA-Score

## PA SCORESHEETS

Site Name: Old Cherry Grove Landfill  
CERCLIS ID No.: SCD987597432  
Street Address: HWY 9 & 90  
City/State/Zip: Little River, SC 29566

Investigator: Greg George  
Agency/Organization: SCDHEC  
Street Address: 2600 Bull Street  
City/State: Columbia, SC

Date: 12/01/1997

PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93

Page: 1

WASTE CHARACTERISTICS

Waste Characteristics (WC) Calculations:

1 Landfill	File	WQ value	maximum
Volume	2.75E+05 cu yds	1.10E+05	1.10E+05

\*\* Only First WC Page Is Printed \*\*

Waste Characteristics Score: WC = 100

PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93

Page: 2

Ground Water Pathway Criteria List  
Suspected Release

Are sources poorly contained? (y/n/u)	Y
Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)? (y/n/u)	N
Is waste quantity particularly large? (y/n/u)	N
Is precipitation heavy? (y/n/u)	Y
Is the infiltration rate high? (y/n/u)	Y
Is the site located in an area of karst terrain? (y/n)	N
Is the subsurface highly permeable or conductive? (y/n/u)	U
Is drinking water drawn from a shallow aquifer? (y/n/u)	Y
Are suspected contaminants highly mobile in ground water? (y/n/u)	U
Does analytical or circumstantial evidence suggest ground water contamination? (y/n/u)	Y

Other criteria? (y/n)                      N

SUSPECTED RELEASE? (y/n)                      Y

Summarize the rationale for Suspected Release:

PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93

Page: 3

Ground Water Pathway Criteria List  
Primary Targets

Is any drinking water well nearby? (y/n/u)	Y
Has any nearby drinking water well been closed? (y/n/u)	N
Has any nearby drinking water well user reported foul-testing or foul-smelling water? (y/n/u)	N
Does any nearby well have a large drawdown/high production rate? (y/n/u)	U
Is any drinking water well located between the site and other wells that are suspected to be exposed to a hazardous substance? (y/n/u)	N
Does analytical or circumstantial evidence suggest contamination at a drinking water well? (y/n/u)	N
Does any drinking water well warrant sampling? (y/n/u)	Y
Other criteria? (y/n)	N

PRIMARY TARGET(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Targets:

**PA-Score 2.1 Scoresheets**  
**Old Cherry Grove Landfill - 12/30/93**

**Page: 4**

**GROUND WATER PATHWAY SCORESHEETS**

**Pathway Characteristics**

			<b>Ref.</b>
Do you suspect a release? (y/n)	Yes		
Is the site located in karst terrain? (y/n)	No		
Depth to aquifer (feet):	5		
Distance to the nearest drinking water well (feet):	500		
<b>LIKELIHOOD OF RELEASE</b>	<b>Suspected Release</b>	<b>No Suspected Release</b>	<b>References</b>
1. SUSPECTED RELEASE	550		
2. NO SUSPECTED RELEASE		0	
LR =	550	0	

**Targets**

<b>TARGETS</b>	<b>Suspected Release</b>	<b>No Suspected Release</b>	<b>References</b>
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION Are any wells part of a blended system? (y/n) N	0	0	
5. NEAREST WELL	0	0	
6. WELLHEAD PROTECTION AREA None within 4 Miles	0	0	
7. RESOURCES	5	0	
T =	5	0	

**WASTE CHARACTERISTICS**

WC =

100	0
-----	---

**GROUND WATER PATHWAY SCORE:**

3
---

**PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93**

**Page: 5**

**Ground Water Target Populations**

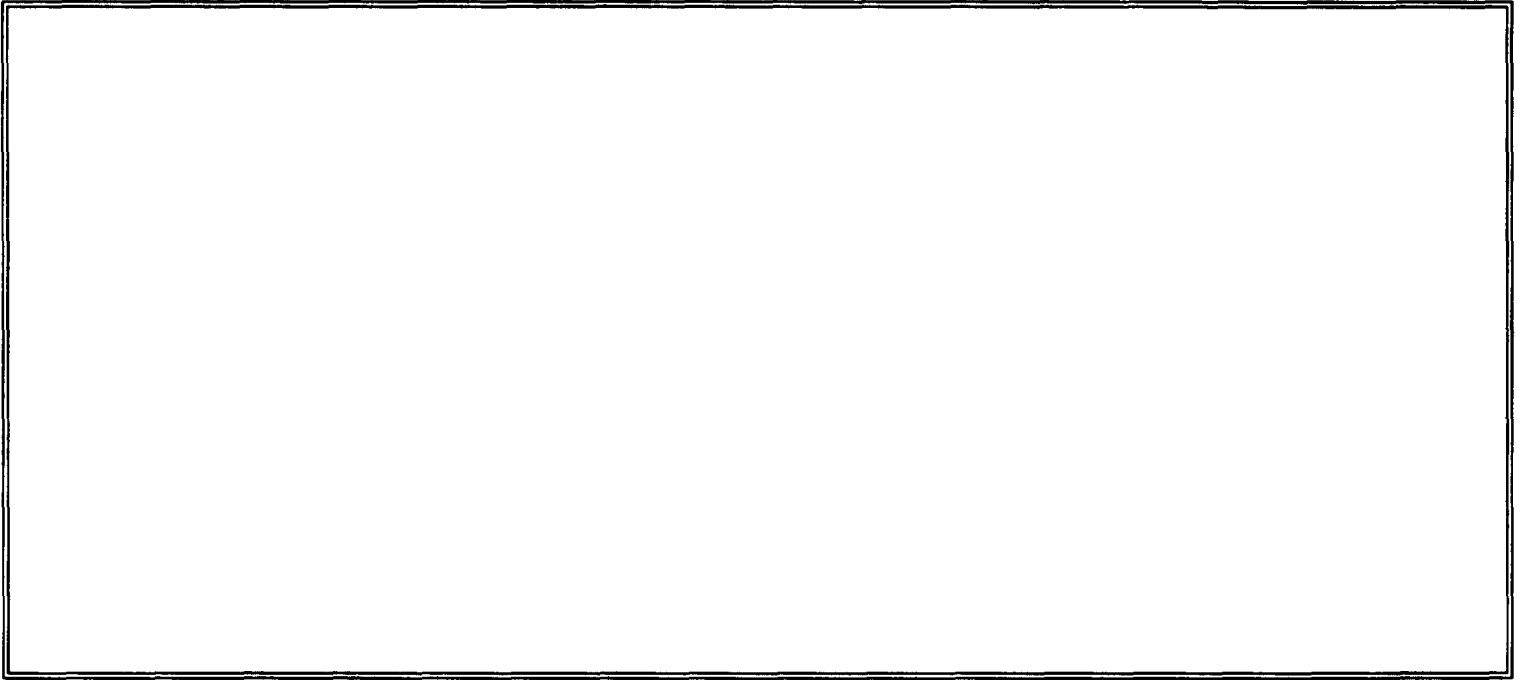
Primary Target Population Drinking Water Well ID	Dist. (miles)	Population Served	Reference	Value
None				
*** Note : Maximum of 5 Wells Are Printed ***				Total

Secondary Target Population Distance Categories	Population Served	Reference	Value
0 to 1/4 mile	0		0
Greater than 1/4 to 1/2 mile	0		0
Greater than 1/2 to 1 mile	0		0
Greater than 1 to 2 miles	0		0
Greater than 2 to 3 miles	0		0
Greater than 3 to 4 miles	0		0
Total			0

**PA-Score 2.1 Scoresheets**  
**Old Cherry Grove Landfill - 12/30/93**

**Page: 6**

Apportionment Documentation for a Blended System



**Page: 7**

Surface Water Pathway Criteria List Suspected Release		
Is surface water nearby? (y/n/u)		Y
Is waste quantity particularly large? (y/n/u)		U
Is the drainage area large? (y/n/u)		N
Is rainfall heavy? (y/n/u)		Y
Is the infiltration rate low? (y/n/u)		N
Are sources poorly contained or prone to runoff or flooding? (y/n/u)		Y
Is a runoff route well defined(e.g.ditch/channel to surf.water)? (y/n/u)		Y
Is vegetation stressed along the probable runoff path? (y/n/u)		U
Are sediments or water unnaturally discolored? (y/n/u)		U
Is wildlife unnaturally absent? (y/n/u)		U
Has deposition of waste into surface water been observed? (y/n/u)		Y
Is ground water discharge to surface water likely? (y/n/u)		Y
Does analytical/circumstantial evidence suggest S.W. contam? (y/n/u)		N
Other criteria? (y/n)	N	
		SUSPECTED RELEASE? (y/n)
Summarize the rationale for Suspected Release:		Y



PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93

Page: 8

Surface Water Pathway Criteria List  
Primary Targets

Is any target nearby? (y/n/u)	If yes:	Y
Drinking water intake		
Y Fishery		
Y Sensitive environment		
Has any intake, fishery, or recreational area been closed? (y/n/u)		N
Does analytical or circumstantial evidence suggest surface water contamination at or downstream of a target? (y/n/u)		N
Does any target warrant sampling? (y/n/u)	If yes:	Y
Drinking water intake		
Y Fishery		
Y Sensitive environment		

Other criteria? (y/n) N

PRIMARY INTAKE(S) IDENTIFIED? (y/n)

Summarize the rationale for Primary Intakes:

continued -----

PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93

Page: 9

continued -----

Other criteria? (y/n) N

PRIMARY FISHERY(IES) IDENTIFIED? (y/n)

N

Summarize the rationale for Primary Fisheries:

Other criteria? (y/n) N

PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED? (y/n)

N


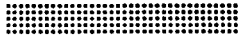
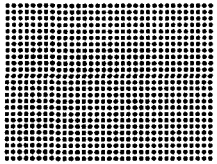

Summarize the rationale for Primary Sensitive Environments:

**PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93**

**Page: 10**

**SURFACE WATER PATHWAY SCORESHEETS**

**Pathway Characteristics**

<b>Pathway Characteristics</b>			<b>Ref.</b>
Do you suspect a release? (y/n)	Yes		
Distance to surface water (feet):	2500		
Flood frequency (years):	1-10		
What is the downstream distance (miles) to:			
a. the nearest drinking water intake?	N.A.		
b. the nearest fishery?	3.0		
c. the nearest sensitive environment?	0.1		
<b>LIKELIHOOD OF RELEASE</b>	<b>Suspected Release</b>	<b>No Suspected Release</b>	<b>References</b>
1. SUSPECTED RELEASE	550		
2. NO SUSPECTED RELEASE		0	
LR =	550	0	

**PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93**

**Page: 11**

**Drinking Water Threat Targets**

TARGETS	Suspected Release	No Suspected Release	References
3. Determine the water body type, flow (if applicable), and number of people served by each drinking water intake.			
4. PRIMARY TARGET POPULATION 0 person(s)	0		
5. SECONDARY TARGET POPULATION Are any intakes part of a blended system? (y/n): N	0	0	
6. NEAREST INTAKE	0	0	
7. RESOURCES	5	0	
T =	5	0	

**Drinking Water Threat Target Populations**

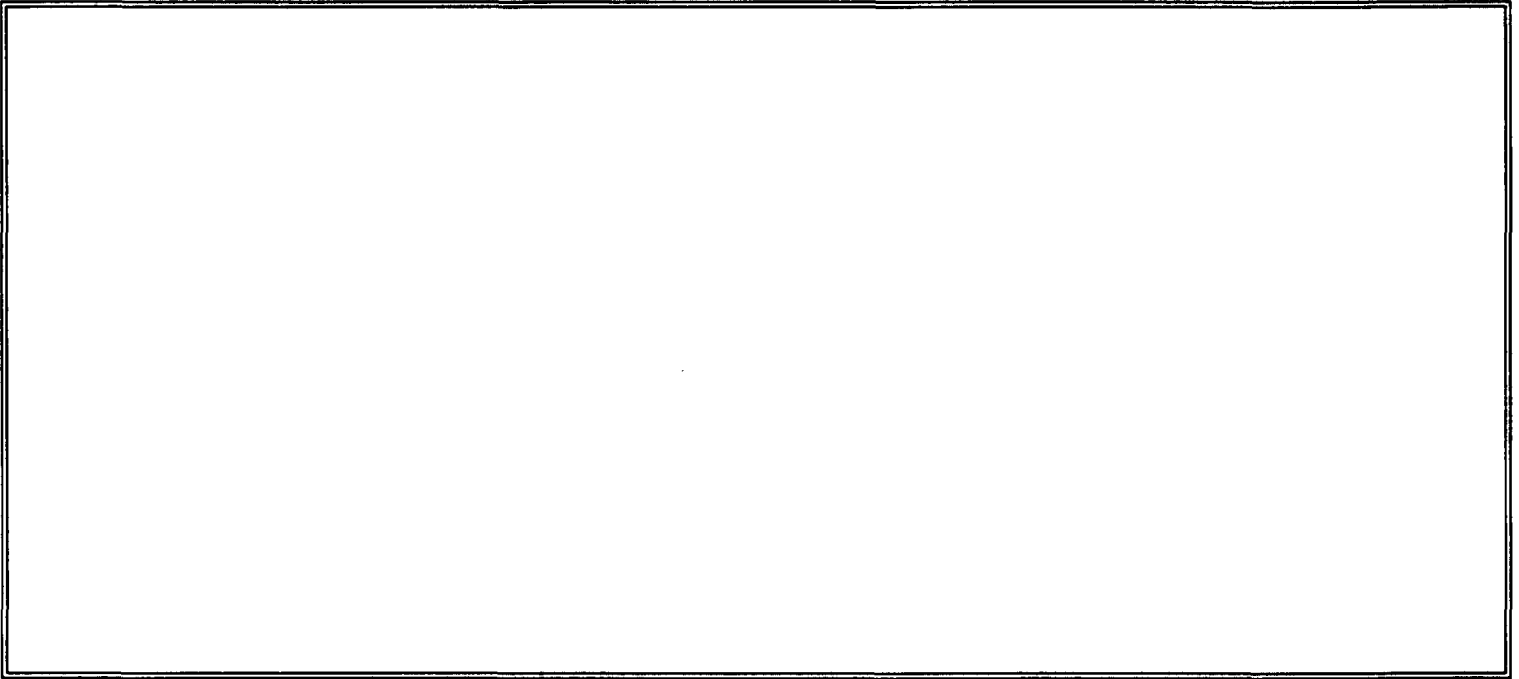
Intake Name	Primary (y/n)	Water Body Type/Flow	Population Served	Ref.	Value
None					
Total Primary Target Population Value					0
Total Secondary Target Population Value					0

\*\*\* Note : Maximum of 6 Intakes Are Printed \*\*\*

**PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93**

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**Apportionment Documentation for a Blended System**



**PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93**

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**Human Food Chain Threat Targets**

TARGETS	Suspected Release	No Suspected Release	References
8. Determine the water body type and flow for each fishery within the target limit.			
9. PRIMARY FISHERIES	0		
10. SECONDARY FISHERIES	210	0	
T =	210	0	

**Human Food Chain Threat Targets**

Fishery Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 Waccamaw River	N	>1000-10000 cfs		12
Total Primary Fisheries Value				0
Total Secondary Fisheries Value				210

\*\*\* Note : Maximum of 6 Fisheries Are Printed \*\*\*

**PA-Score 2.1 Scoresheets**  
**Old Cherry Grove Landfill - 12/30/93**

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**Environmental Threat Targets**

TARGETS	Suspected Release	No Suspected Release	References
11. Determine the water body type and flow (if applicable) for each sensitive environment.			
12. PRIMARY SENSITIVE ENVIRONMENTS	0		
13. SECONDARY SENSITIVE ENVIRONS.	150	0	
T =	150	0	

**Environmental Threat Targets**

Sensitive Environment Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 Unnamed Wetlands	N	<10 cfs		150
2 Waccamaw Wetlands	N	>1000-10000 cfs		0
Total Primary Sensitive Environments Value				0
Total Secondary Sensitive Environments Value				150
*** Note: Maximum of 6 Sensitive Environments Are Printed ***				

**PA-Score 2.1 Scoresheets**  
**Old Cherry Grove Landfill - 12/30/93**

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**Surface Water Pathway Threat Scores**

<b>Threat</b>	<b>Likelihood of Release(LR) Score</b>	<b>Targets(T) Score</b>	<b>Pathway Waste Characteristics (WC) Score</b>	<b>Threat Score LR x T x WC / 82,500</b>
<b>Drinking Water</b>	<b>550</b>	<b>5</b>	<b>100</b>	<b>3</b>
<b>Human Food Chain</b>	<b>550</b>	<b>210</b>	<b>100</b>	<b>100</b>
<b>Environmental</b>	<b>550</b>	<b>150</b>	<b>100</b>	<b>60</b>

**SURFACE WATER PATHWAY SCORE:**

**100**



PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93

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Soil Exposure Pathway Criteria List  
Resident Population

Is any residence, school, or daycare facility on or within 200 feet of an area of suspected contamination? (y/n/u) N

Is any residence, school, or daycare facility located on adjacent land previously owned or leased by the site owner/operator? (y/n/u) U

Is there a migration route that might spread hazardous substances near residences, schools, or daycare facilities? (y/n/u) N

Have onsite or adjacent residents or students reported adverse health effects, exclusive of apparent drinking water or air contamination problems? (y/n/u) N

Does any neighboring property warrant sampling? (y/n/u) U

Other criteria? (y/n) N

RESIDENT POPULATION IDENTIFIED? (y/n) N

Summarize the rationale for Resident Population:

**PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93**

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**SOIL EXPOSURE PATHWAY SCORESHEETS**

**Pathway Characteristics**

		Ref.
Do any people live on or within 200 ft of areas of suspected contamination? (y/n)	No	
Do any people attend school or daycare on or within 200 ft of areas of suspected contamination? (y/n)	No	
Is the facility active? (y/n):	No	

LIKELIHOOD OF EXPOSURE	Suspected Contamination	References
1. SUSPECTED CONTAMINATION LE =	550	

**Targets**

2. RESIDENT POPULATION 0 resident(s) 0 school/daycare student(s)	0	
3. RESIDENT INDIVIDUAL	0	
4. WORKERS None	0	
5. TERRES. SENSITIVE ENVIRONMENTS	25	
6. RESOURCES	5	
T =	30	

**WASTE CHARACTERISTICS**

WC =

100

RESIDENT POPULATION THREAT SCORE:

20

NEARBY POPULATION THREAT SCORE:

1

Population Within 1 Mile: 1 - 10,000

SOIL EXPOSURE PATHWAY SCORE:

21

PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93

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Soil Exposure Pathway Terrestrial Sensitive Environments

Terrestrial Sensitive Environment Name	Reference	Value
1 Wetlands		25
Total Terrestrial Sensitive Environments Value		25

\*\*\* Note : Maximum of 7 Sensitive Environments Are Printed \*\*\*

PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93

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Air Pathway Criteria List  
Suspected Release

Are odors currently reported? (y/n/u) N

Has release of a hazardous substance to the air  
been directly observed? (y/n/u) N

Are there reports of adverse health effects (e.g., headaches,  
nausea, dizziness) potentially resulting from migration  
of hazardous substances through the air? (y/n/u) N

Does analytical/circumstantial evidence suggest release to air? (y/n/u) N

Other criteria? (y/n) N

SUSPECTED RELEASE? (y/n) N



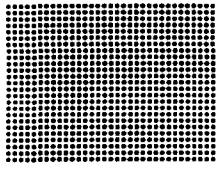

Summarize the rationale for Suspected Release:

**PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93**

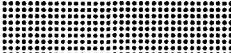
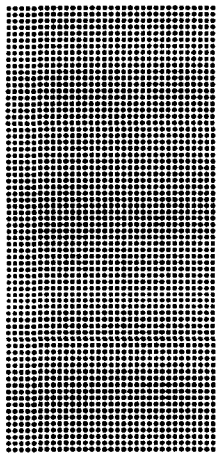

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**AIR PATHWAY SCORESHEETS**

**Pathway Characteristics**

Do you suspect a release? (y/n)			No	
Distance to the nearest individual (feet):			500	
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References	
1. SUSPECTED RELEASE	0			
2. NO SUSPECTED RELEASE		500		
LR =	0	500		

**Targets**

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION	0	6	
5. NEAREST INDIVIDUAL	0	20	
6. PRIMARY SENSITIVE ENVIRONS.	0		
7. SECONDARY SENSITIVE ENVIRONS.	0	3	
8. RESOURCES	0	5	
T =	0	34	

**WASTE CHARACTERISTICS**

WC =

0	100
---	-----

**AIR PATHWAY SCORE:**

21
----

**PA-Score 2.1 Scoresheets**  
**Old Cherry Grove Landfill - 12/30/93**

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**Air Pathway Secondary Target Populations**

Distance Categories	Population	References	Value
Onsite	0		0
Greater than 0 to 1/4 mile	24		1
Greater than 1/4 to 1/2 mile	118		1
Greater than 1/2 to 1 mile	540		1
Greater than 1 to 2 miles	1962		1
Greater than 2 to 3 miles	3684		1
Greater than 3 to 4 miles	5683		1
Total Secondary Population Value			6

**PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93**

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**Air Pathway Primary Sensitive Environments**

Sensitive Environment Name	Reference	Value
None		
Total Primary Sensitive Environments Value		

\*\*\* Note : Maximum of 7 Sensitive Environments Are Printed\*\*\*

**Air Pathway Secondary Sensitive Environments**

Sensitive Environment Name	Distance	Reference	Value
1 Wetlands	onsite		2.5
2 Wetlands	0 - 1/4		0.6
3 Wetlands	>1/4-1/2		0.1
Total Secondary Sensitive Environments Value			3

PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93

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SITE SCORE CALCULATION	SCORE
GROUND WATER PATHWAY SCORE:	3
SURFACE WATER PATHWAY SCORE:	100
SOIL EXPOSURE PATHWAY SCORE:	21
AIR PATHWAY SCORE:	21
SITE SCORE:	52



PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93

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SUMMARY

1. Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water? No

If yes, identify the well(s).

If yes, how many people are served by the threatened well(s)? 0

2. Is there a high possibility of a threat to any of the following by hazardous substance migration in surface water?
- |                                                              |    |
|--------------------------------------------------------------|----|
| A. Drinking water intake                                     | No |
| B. Fishery                                                   | No |
| C. Sensitive environment (wetland, critical habitat, others) | No |

If yes, identity the target(s).

3. Is there a high possibility of an area of surficial contamination within 200 feet of any residence, school, or daycare facility? No

If yes, identify the properties and estimate the associated population(s)

4. Are there public health concerns at this site that are not addressed by PA scoring considerations? No

If yes, explain:

**PA-Score 2.1 Scoresheets**  
**Old Cherry Grove Landfill - 12/30/93**

**Page: 1**

OMB Approval Number: 2050-0095  
 Approved for Use Through: 4/95

POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM				IDENTIFICATION	
				State: SC	CERCLIS Number: SCD987597432
				CERCLIS Discovery Date: 10/29/1990	
1. General Site Information					
Name: Old Cherry Grove Landfill			Street Address: HWY 9 & 90		
City: Little River	State: SC	Zip Code: 29566	County: Horry	Co. Code: 26	Cong. Dist:
Latitude: 33° 51' 56.1"	Longitude: 78° 40' 56.2"	Approx. Area of Site: 740520 sq feet		Status of Site: Inactive	
2. Owner/Operator Information					
Owner: CRE Investment (contact: Guilford)			Operator: International Paper		
Street Address: P.O. Box U-4			Street Address: Hwy 17		
City: Greensboro			City: Georgetown		
State: SC	Zip Code: 27402	Telephone: (919)292-7550	State: SC	Zip Code: 29441	Telephone:
Type of Ownership: Private			How Initially Identified: State/Local Program		

PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93

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<b>POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM</b>		<b>IDENTIFICATION</b>	
		<b>State:</b> SC	<b>CERCLIS Number:</b> SCD987597432
		<b>CERCLIS Discovery Date:</b> 10/29/1990	
<b>3. Site Evaluator Information</b>			
<b>Name of Evaluator:</b> Greg George		<b>Agency/Organization:</b> SCDHEC	<b>Date Prepared:</b> 12/01/1993
<b>Street Address:</b> 2600 Bull Street		<b>City:</b> Columbia	<b>State:</b> SC
<b>Name of EPA or State Agency Contact:</b> Earl Bozeman		<b>Telephone:</b> (404) 347-5065	
<b>Street Address:</b> 345 Courtland ST. NE		<b>City:</b> Atlanta	<b>State:</b> GA
<b>4. Site Disposition (for EPA use only)</b>			
<b>Emergency Response/Removal Assessment Recommendation:</b> No	<b>CERCLIS Recommendation:</b> Higher Priority SI	<b>Signature:</b>	
<b>Date:</b>	<b>Date:</b>	<b>Name:</b>	
		<b>Position:</b>	

**PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93**

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<p align="center"><b>POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM</b></p>	<b>IDENTIFICATION</b>	
	<p>State: SC</p>	<p>CERCLIS Number: SCD987597432</p>
	<p>CERCLIS Discovery Date: 10/29/1990</p>	

**5. General Site Characteristics**

<p>Predominant Land Uses Within 1 Mile of Site:</p> <p>Commercial Residential Forest/Fields Agricultural</p>	<p>Site Setting:</p> <p align="center">Urban</p>	<p>Years of Operation:</p> <p>Beginning Year: 1960</p> <p>Ending Year: 1972</p> <p>X Unknown</p>
<p>Type of Site Operations:</p> <p>Municipal Landfill</p>		<p>Waste Generated:</p> <p>Offsite</p>
		<p>Waste Deposition Authorized By: Unknown</p>
		<p>Waste Accessible to the Public</p> <p align="center">Yes</p>
		<p>Distance to Nearest Dwelling, School, or Workplace:</p> <p align="center">500 Feet</p>

**6. Waste Characteristics Information**

<p>Source Type</p> <p>Pile</p>	<p>Quantity</p> <p>2.75e+05 cu yds V</p>	<p>Tier</p> <p>V</p>	<p>General Types of Waste:</p> <p>Municipal Waste</p>
<p>Tier Legend</p> <p>C = Constituent    W = Wastestream</p> <p>V = Volume        A = Area</p>			<p>Physical State of Waste as Deposited</p> <p align="center">Solid</p>

**PA-Score 2.1 Scoresheets**  
**Old Cherry Grove Landfill - 12/30/93**

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<b>POTENTIAL HAZARDOUS</b>  <b>WASTE SITE</b>  <b>PRELIMINARY ASSESSMENT FORM</b>		<b>IDENTIFICATION</b>	
		<b>State:</b> SC	<b>CERCLIS Number:</b> SCD987597432
		<b>CERCLIS Discovery Date:</b> 10/29/1990	
<b>7. Ground Water Pathway</b>			
<b>Is Ground Water Used for Drinking Water Within 4 Miles:</b> No	<b>Is There a Suspected Release to Ground Water:</b> Yes	<b>List Secondary Target Population Served by Ground Water Withdrawn From:</b>	
<b>Type of Ground Water Wells Within 4 Miles:</b> Municipal Private	<b>Have Primary Target Drinking Water Wells Been Identified:</b> No	0 - 1/4 Mile	0
		>1/4 - 1/2 Mile	0
<b>Depth to Shallowest Aquifer:</b> 5 Feet  <b>Karst Terrain/Aquifer Present:</b> No	<b>Nearest Designated Wellhead Protection Area:</b> None within 4 Miles	>1/2 - 1 Mile	0
		>1 - 2 Miles	0
		>2 - 3 Miles	0
		>3 - 4 Miles	0
		<b>Total</b>	<b>0</b>

PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93

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POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
	State: SC	CERCLIS Number: SCD987597432
	CERCLIS Discovery Date: 10/29/1990	

8. Surface Water Pathway

Part 1 of 4

Type of Surface Water Draining Site and 15 Miles Downstream: Stream River	Shortest Overland Distance From Any Source to Surface Water:  2500 Feet 0.5 Miles
Is there a Suspected Release to Surface Water: Yes	Site is Located in: Annual - 10 yr floodplain

8. Surface Water Pathway

Part 2 of 4

Drinking Water Intakes Along the Surface Water Migration Path: No
Have Primary Target Drinking Water Intakes Been Identified: No
Secondary Target Drinking Water Intakes: None

**PA-Score 2.1 Scoresheets  
Old Cherry Grove Landfill - 12/30/93**

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POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM	<b>IDENTIFICATION</b>	
	State: SC	CERCLIS Number: SCD987597432
	CERCLIS Discovery Date: 10/29/1990	

<b>8. Surface Water Pathway</b>	<b>Part 3 of 4</b>
---------------------------------	--------------------

Fisheries Located Along the Surface Water Migration Path: Yes

Have Primary Target Fisheries Been Identified: No

**Secondary Target Fisheries:**

Fishery Name	Water Body Type/Flow(cfs)
Waccamaw River	large stream/river/ >1000-10000

<b>8. Surface Water Pathway</b>	<b>Part 4 of 4</b>
---------------------------------	--------------------

Wetlands Located Along the Surface Water Migration Path? (y/n) Yes

Have Primary Target Wetlands Been Identified? (y/n) No

**Secondary Target Wetlands:**

Water Body/Flow(cfs)	Frontage(mi)
minimal stream/ <10	>4 to 8
large stream/river/ >1000-10000	>20

Other Sensitive Environments Along the Surface Water Migration Path: No

Have Primary Target Sensitive Environments Been Identified: No

**Secondary Target Sensitive Environments:**

None

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POTENTIAL HAZARDOUS WASTE SITE  PRELIMINARY ASSESSMENT FORM		IDENTIFICATION	
		State: SC	CERCLIS Number: SCD987597432
		CERCLIS Discovery Date: 10/29/1990	
<b>9. Soil Exposure Pathway</b>			
Are People Occupying Residences or Attending School or Daycare on or Within 200 Feet of Areas of Known or Suspected Contamination: No		Number of Workers Onsite: None	
Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination: Yes			
Terrestrial Sensitive Environments:			
Small areas important for maintenance of biotic communities			
<b>10. Air Pathway</b>			
Total Population on or Within:	Is There a Suspected Release to Air: No		
Onsite 0			
0 - 1/4 Mile 24	Wetlands Located		
>1/4 - 1/2 Mile 118	Within 4 Miles of the Site: Yes		
>1/2 - 1 Mile 540			
>1 - 2 Miles 1962	Other Sensitive Environments Located		
>2 - 3 Miles 3684	Within 4 Miles of the Site: No		
>3 - 4 Miles 5683			
Total 12011			
Sensitive Environments Within 1/2 Mile of the Site:			
Distance	Sensitive Environment Type/Wetlands Area(acres)		
Onsite	Wetlands (1 to 50 acres)		
0 - 1/4	Wetlands (1 to 50 acres)		
>1/4 - 1/2	Wetlands (1 to 50 acres)		



SITE OLD CHERRY GROVE LANDFILL  
PROJECT # 94 0604

STATE SC

MANAGER LOFTEN CARR  
SHIPWEEK 08/22/94

SOILVGA BOOKED	7	DATA RECEIVED	10/17/94	FOR	8	SAMPLES
H2OVGA BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
SOILENT BOOKED	7	DATA RECEIVED	10/17/94	FOR	8	SAMPLES
H2OENT BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
SOILPEST BOOKED	7	DATA RECEIVED	10/17/94	FOR	8	SAMPLES
H2OPEST BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
SOILMET BOOKED	7	DATA RECEIVED	10/17/94	FOR	8	SAMPLES
H2OMET BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
SOILCN BOOKED	7	DATA RECEIVED	10/17/94	FOR	8	SAMPLES
H2OCN BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES

SOILOTH1 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
SOILOTH2 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
H2OOTH1 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
H2OOTH2 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
OTHER1 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES
OTHER2 BOOKED	0	DATA RECEIVED	/ /	FOR		SAMPLES

LAB(CLP/USD/HASP/QTMD) CLP

REMARKS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV  
Environmental Services Division  
College Station Road, Athens, Ga. 30613

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 10/08/94

SUBJECT: Results of Purgeable Organic Analysis;  
94-0604 OLD CHERFY GROVE LF  
NIXON CRCS SC  
CASE NO: 22582

FROM: Charles H. Hooper  
Chief, Laboratory Evaluation/Quality Assurance Section

TO: JOHN CRISWELL

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

## ORGANIC DATA QUALIFIER REPORT

Case Number 22582      Project Number 94-0604      SAS Number  
 Site ID. Old Cherry Grove LF, Nixon Cros, SC

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
<u>Volatiles</u>			
88789, 88792, 88793,	4-methyl-2-pentanone	J	low internal standard recovery
	tetrachloroethene	J	low internal standard recovery
	1,1,2,2-tetrachloroethane	J	low internal standard recovery
	toluene	J	low internal standard recovery
	chlorobenzene	J	low internal standard recovery
	ethylbenzene	J	low internal standard recovery
	styrene	J	low internal standard recovery
	xylene	J	low internal standard recovery
	carbon disulfide	J	< quantitation limit
88794, 88795, 88796	1,1,1-trichloroethane	J	low internal standard recovery
	carbon tetrachloride	J	low internal standard recovery
	bromodichloromethane	J	low internal standard recovery
	1,2-dichloropropane	J	low internal standard recovery
	trans-1,3-dichloropropene	J	low internal standard recovery
	trichloroethene	J	low internal standard recovery
	dibromochloromethane	J	low internal standard recovery
	1,1,2-trichloroethane	J	low internal standard recovery
	benzene	J	low internal standard recovery
	cis-1,3-dichloropropene	J	low internal standard recovery
	bromoform	J	low internal standard recovery
	2-hexanone	J	low internal standard recovery
	4-methyl-2-pentanone	J	low internal standard recovery
	tetrachloroethene	J	low internal standard recovery
	1,1,2,2-tetrachloroethane	J	low internal standard recovery
	toluene	J	low internal standard recovery
	chlorobenzene	J	low internal standard recovery
	ethylbenzene	J	low internal standard recovery
	styrene	J	low internal standard recovery
	xylene	J	low internal standard recovery
88793, 88794, 88795	acetone	N	common lab contaminant
<u>Extractables</u>			
88792, 88794, 88795, 88796	di-n-octylphthalate	J	low internal standard recovery
	benzo(b/k)fluoranthene	J	low internal standard recovery
	benzo(a)pyrene	J	low internal standard recovery
	indeno(1,2,3-cd)pyrene	J	low internal standard recovery
	dibenz(a,h)anthracene	J	low internal standard recovery
	benzo(g,h,i)perylene	J	low internal standard recovery
88794	fluoranthene	J	< quantitation limit
88795	phenanthrene	J	< quantitation limit
	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit

Pesticides

None

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PURGEABLE ORGANICS DATA REPORT

```

*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88789 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 001-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 **
**
** CASE NO.: 22582 SAS NO.: D. NO.: JA02 **
*** ** ** ** *
  
```

UG/KG ANALYTICAL RESULTS

```

11U CHLOROMETHANE
11U BROMOMETHANE
11U VINYL CHLORIDE
11U CHLOROETHANE
60 METHYLENE CHLORIDE
11U ACETONE
9J CARBON DISULFIDE
11U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
11U 1,1-DICHLOROETHANE
11U 1,2-DICHLOROETHENE (TOTAL)
11U CHLOROFORM
11U 1,2-DICHLOROETHANE
11U METHYL ETHYL KETONE
11U 1,1,1-TRICHLOROETHANE
11U CARBON TETRACHLORIDE
11U BROMODICHLOROMETHANE
  
```

UG/KG ANALYTICAL RESULTS

```

11U 1,2-DICHLOROPROPANE
11U CIS-1,3-DICHLOROPROPENE
11U TRICHLOROETHENE(TRICHLOROETHYLENE)
11U DIBROMOCHLOROMETHANE
11U 1,1,2-TRICHLOROETHANE
11U BENZENE
11U TRANS-1,3-DICHLOROPROPENE
11U BROMOFORM
11UJ METHYL ISOBUTYL KETONE
11UJ METHYL BUTYL KETONE
11UJ TETRACHLOROETHENE(TETRACHLOROETHYLENE)
11UJ 1,1,2,2-TETRACHLOROETHANE
11UJ TOLUENE
11UJ CHLOROBENZENE
11UJ ETHYL BENZENE
11UJ STYRENE
11UJ TOTAL XYLENES
12 PERCENT MOISTURE
  
```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

```

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
  
```

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PURGEABLE ORGANICS DATA REPORT

```

*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88790 SAMPLE TYPE: SOIL          PROG ELEM: NSF   COLLECTED BY: F.M. CARNS          **
** SOURCE: OLD CHERRY GROVE LF          CITY: NIXON CROS          ST: SC          **
** STATION ID: 002-SS          COLLECTION START: 08/24/94 1157 STOP: 00/00/00          **
**

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** CASE NO.: 22582          SAS NO.:          D. NO.: JA03          **
*** **

```

UG/KG ANALYTICAL RESULTS

```

12U CHLOROMETHANE
12U BROMOMETHANE
12U VINYL CHLORIDE
12U CHLOROETHANE
12U METHYLENE CHLORIDE
12U ACETONE
12U CARBON DISULFIDE
12U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
12U 1,1-DICHLOROETHANE
12U 1,2-DICHLOROETHENE (TOTAL)
12U CHLOROFORM
12U 1,2-DICHLOROETHANE
12U METHYL ETHYL KETONE
12U 1,1,1-TRICHLOROETHANE
12U CARBON TETRACHLORIDE
12U BROMODICHLOROMETHANE

```

UG/KG ANALYTICAL RESULTS

```

12U 1,2-DICHLOROPROPANE
12U CIS-1,3-DICHLOROPROPENE
12U TRICHLOROETHENE(TRICHLOROETHYLENE)
12U DIBROMOCHLOROMETHANE
12U 1,1,2-TRICHLOROETHANE
12U BENZENE
12U TRANS-1,3-DICHLOROPROPENE
12U BROMOFORM
12U METHYL ISOBUTYL KETONE
12U METHYL BUTYL KETONE
12U TETRACHLOROETHENE(TETRACHLOROETHYLENE)
12U 1,1,2,2-TETRACHLOROETHANE
12U TOLUENE
12U CHLOROBENZENE
12U ETHYL BENZENE
12U STYRENE
12U TOTAL XYLENES
14 PERCENT MOISTURE

```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

```

*A-AVERAGE VALUE      *NA-NOT ANALYZED      *NAI-INTERFERENCES  *J-ESTIMATED VALUE  *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN  *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

```

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PURGEABLE ORGANICS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88791 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNES \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 003-SS COLLECTION START: 08/24/94 1207 STOP: 00/00/00 \*\*  
\*\*

\*\* CASE NO.: 22582 SAS NO.: D. NO.: JA04 \*\*

\*\*\* \*\*  
UG/KG ANALYTICAL RESULTS UG/KG ANALYTICAL RESULTS

12U CHLOROMETHANE  
12U BROMOMETHANE  
12U VINYL CHLORIDE  
12U CHLOROETHANE  
12U METHYLENE CHLORIDE  
12U ACETONE  
12U CARBON DISULFIDE  
12U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)  
12U 1,1-DICHLOROETHANE  
12U 1,2-DICHLOROETHENE (TOTAL)  
12U CHLOROFORM  
12U 1,2-DICHLOROETHANE  
12U METHYL ETHYL KETONE  
12U 1,1,1-TRICHLOROETHANE  
12U CARBON TETRACHLORIDE  
12U BROMODICHLOROMETHANE

12U 1,2-DICHLOROPROPANE  
12U CIS-1,3-DICHLOROPROPENE  
12U TRICHLOROETHENE(TRICHLOROETHYLENE)  
12U DIBROMOCHLOROMETHANE  
12U 1,1,2-TRICHLOROETHANE  
12U BENZENE  
12U TRANS-1,3-DICHLOROPROPENE  
12U BROMOFORM  
12U METHYL ISOBUTYL KETONE  
12U METHYL BUTYL KETONE  
12U TETRACHLOROETHENE(TETRACHLOROETHYLENE)  
12U 1,1,2,2-TETRACHLOROETHANE  
12U TOLUENE  
12U CHLOROBENZENE  
12U ETHYL BENZENE  
12U STYRENE  
12U TOTAL XYLENES  
14 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PURGEABLE ORGANICS DATA REPORT

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*** ** ** ** **
**  PROJECT NO. 94-0604  SAMPLE NO. 88792  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: F.M. CARNS  **
**  SOURCE: OLD CHERRY GROVE LF  CITY: NIXON CROS  ST: SC  **
**  STATION ID: 004-SS  COLLECTION START: 08/24/94  1222  STOP: 00/00/00  **
**

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**  CASE NO.: 22582  SAS NO.:  D. NO.: JA05  **
*** ** ** ** *

```

UG/KG                      ANALYTICAL RESULTS

```

12U  CHLOROMETHANE
12U  BROMOMETHANE
12U  VINYL CHLORIDE
12U  CHLOROETHANE
12U  METHYLENE CHLORIDE
12U  ACETONE
12U  CARBON DISULFIDE
12U  1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
12U  1,1-DICHLOROETHANE
12U  1,2-DICHLOROETHENE (TOTAL)
12U  CHLOROFORM
12U  1,2-DICHLOROETHANE
12U  METHYL ETHYL KETONE
12U  1,1,1-TRICHLOROETHANE
12U  CARBON TETRACHLORIDE
12U  BROMODICHLOROMETHANE

```

UG/KG                      ANALYTICAL RESULTS

```

12U  1,2-DICHLOROPROPANE
12U  CIS-1,3-DICHLOROPROPENE
12U  TRICHLOROETHENE(TRICHLOROETHYLENE)
12U  DIBROMOCHLOROMETHANE
12U  1,1,2-TRICHLOROETHANE
12U  BENZENE
12U  TRANS-1,3-DICHLOROPROPENE
12U  BROMOFORM
12UJ  METHYL ISOBUTYL KETONE
12UJ  METHYL BUTYL KETONE
12UJ  TETRACHLOROETHENE(TETRACHLOROETHYLENE)
12UJ  1,1,2,2-TETRACHLOROETHANE
12UJ  TOLUENE
12UJ  CHLOROBENZENE
12UJ  ETHYL BENZENE
12UJ  STYRENE
12UJ  TOTAL XYLENES
17   PERCENT MOISTURE

```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

```

*A-AVERAGE VALUE      *NA-NOT ANALYZED      *NAI-INTERFERENCES  *J-ESTIMATED VALUE  *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN  *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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10/07/94

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***
** PROJECT NO. 94-0604 SAMPLE NO. 88793 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 005-SS COLLECTION START: 08/24/94 1129 STOP: 00/00/00 **
**
** CASE NO.: 22582 SAS NO.: D. NO.: JA06 **

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UG/KG	ANALYTICAL RESULTS
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```

19U 1,2-DICHLOROPROPANE
19U CIS-1,3-DICHLOROPROPENE
19U TRICHLOROETHENE (TRICHLOROETHYLENE)
19U DIBROMOCHLOROMETHANE
19U 1,1,2-TRICHLOROETHANE
19U BENZENE
19U TRANS-1,3-DICHLOROPROPENE
19U BROMOFORM
19UJ METHYL ISOBUTYL KETONE
19UJ METHYL BUTYL KETONE
19UJ TETRACHLOROETHENE (TETRACHLOROETHYLENE)
19UJ 1,1,2,2-TETRACHLOROETHANE
19UJ TOLUENE
19UJ CHLOROBENZENE
19UJ ETHYL BENZENE
19UJ STYRENE
19UJ TOTAL XYLENES
48 PERCENT MOISTURE

```

\*\*\*REMARKS\*\*\*

\*A-AVERAGE VALUE      \*NA-NOT ANALYZED      \*NAI-INTERFERENCES      \*J-ESTIMATED VALUE      \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN      \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.



SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PURGEABLE ORGANICS DATA REPORT

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*** ** ** ** **
**  PROJECT NO. 94-0604  SAMPLE NO. 88794  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: F.M. CARNES  **
**  SOURCE: OLD CHERRY GROVE LF  CITY: NIXON CROS  ST: SC  **
**  STATION ID: 006-SS  COLLECTION START: 08/24/94  1145  STOP: 00/00/00  **
**

```

```

**  CASE NO.: 22582  SAS NO.:  D. NO.: JA07  **
*** ** ** ** *

```

UG/KG                      ANALYTICAL RESULTS

```

17U CHLOROMETHANE
17U BROMOMETHANE
17U VINYL CHLORIDE
17U CHLOROETHANE
67N METHYLENE CHLORIDE
17U ACETONE
17U CARBON DISULFIDE
17U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
17U 1,1-DICHLOROETHANE
17U 1,2-DICHLOROETHENE (TOTAL)
17U CHLOROFORM
17U 1,2-DICHLOROETHANE
17U METHYL ETHYL KETONE
17UJ 1,1,1-TRICHLOROETHANE
17UJ CARBON TETRACHLORIDE
17UJ BROMODICHLOROMETHANE

```

UG/KG                      ANALYTICAL RESULTS

```

17UJ 1,2-DICHLOROPROPANE
17UJ CIS-1,3-DICHLOROPROPENE
17UJ TRICHLOROETHENE(TRICHLOROETHYLENE)
17UJ DIBROMOCHLOROMETHANE
17UJ 1,1,2-TRICHLOROETHANE
17UJ BENZENE
17UJ TRANS-1,3-DICHLOROPROPENE
17UJ BROMOFORM
17UJ METHYL ISOBUTYL KETONE
17UJ METHYL BUTYL KETONE
17UJ TETRACHLOROETHENE(TETRACHLOROETHYLENE)
17UJ 1,1,2,2-TETRACHLOROETHANE
17UJ TOLUENE
17UJ CHLOROBENZENE
17UJ ETHYL BENZENE
17UJ STYRENE
17UJ TOTAL XYLENES
42  PERCENT MOISTURE

```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

```

*A-AVERAGE VALUE      *NA-NOT ANALYZED      *NAI-INTERFERENCES  *J-ESTIMATED VALUE  *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

```

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PURGEABLE ORGANICS DATA REPORT

```

*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88795 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 007-SS COLLECTION START: 08/24/94 1155 STOP: 00/00/00 **
**

```

```

** CASE NO.: 22582 SAS NO.: D. NO.: JA08 **
*** ** ** ** *

```

UG/KG ANALYTICAL RESULTS

```

25U CHLOROMETHANE
25U BROMOMETHANE
25U VINYL CHLORIDE
25U CHLOROETHANE
64N METHYLENE CHLORIDE
25U ACETONE
25U CARBON DISULFIDE
25U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
25U 1,1-DICHLOROETHANE
25U 1,2-DICHLOROETHENE (TOTAL)
25U CHLOROFORM
25U 1,2-DICHLOROETHANE
25U METHYL ETHYL KETONE
25UJ 1,1,1-TRICHLOROETHANE
25UJ CARBON TETRACHLORIDE
25UJ BROMODICHLOROMETHANE

```

UG/KG ANALYTICAL RESULTS

```

25UJ 1,2-DICHLOROPROPANE
25UJ CIS-1,3-DICHLOROPROPENE
25UJ TRICHLOROETHENE(TRICHLOROETHYLENE)
25UJ DIBROMOCHLOROMETHANE
25UJ 1,1,2-TRICHLOROETHANE
25UJ BENZENE
25UJ TRANS-1,3-DICHLOROPROPENE
25UJ BROMOFORM
25UJ METHYL ISOBUTYL KETONE
25UJ METHYL BUTYL KETONE
25UJ TETRACHLOROETHENE(TETRACHLOROETHYLENE)
25UJ 1,1,2,2-TETRACHLOROETHANE
25UJ TOLUENE
25UJ CHLOROBENZENE
25UJ ETHYL BENZENE
25UJ STYRENE
25UJ TOTAL XYLENES
61 PERCENT MOISTURE

```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

```

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

```

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PURGEABLE ORGANICS DATA REPORT

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*** * * * *
** PROJECT NO. 94-0604 SAMPLE NO. 88796 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 008-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 **
**

```

```

** CASE NO.: 22582 SAS NO.: D. NO.: JA09 **
*** * * * *

```

UG/KG ANALYTICAL RESULTS

```

11U CHLOROMETHANE
11U BROMOMETHANE
11U VINYL CHLORIDE
11U CHLOROETHANE
11U METHYLENE CHLORIDE
11U ACETONE
11U CARBON DISULFIDE
11U 1,1-DICHLOROETHENE(1,1-DICHLOROETHYLENE)
11U 1,1-DICHLOROETHANE
11U 1,2-DICHLOROETHENE (TOTAL)
11U CHLOROFORM
11U 1,2-DICHLOROETHANE
11U METHYL ETHYL KETONE
11UJ 1,1,1-TRICHLOROETHANE
11UJ CARBON TETRACHLORIDE
11UJ BROMODICHLOROMETHANE

```

UG/KG ANALYTICAL RESULTS

```

11UJ 1,2-DICHLOROPROPANE
11UJ CIS-1,3-DICHLOROPROPENE
11UJ TRICHLOROETHENE(TRICHLOROETHYLENE)
11UJ DIBROMOCHLOROMETHANE
11UJ 1,1,2-TRICHLOROETHANE
11UJ BENZENE
11UJ TRANS-1,3-DICHLOROPROPENE
11UJ BROMOFORM
11UJ METHYL ISOBUTYL KETONE
11UJ METHYL BUTYL KETONE
11UJ TETRACHLOROETHENE(TETRACHLOROETHYLENE)
11UJ 1,1,2,2-TETRACHLOROETHANE
11UJ TOLUENE
11UJ CHLOROBENZENE
11UJ ETHYL BENZENE
11UJ STYRENE
11UJ TOTAL XYLENES
13 PERCENT MOISTURE

```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

```

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

```

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88793 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 005-SS COLLECTION START: 08/24/94 1129 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 22582 SAS NO.: D. NO.: JA06 MD NO: JA06 \*\*  
\*\*  
\*\*\* \*\*

ANALYTICAL RESULTS UG/KG

100JN BENZALDEHYDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88794 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 006-SS COLLECTION START: 08/24/94 1145 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 22582 SAS NO.: D. NO.: JA07 MD NO: JA07 \*\*  
\*\*

ANALYTICAL RESULTS UG/KG

70J 1 UNIDENTIFIED COMPOUND

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS PURGEABLE ORGANICS - DATA REPORT

\*\*\* \*\* \*\* \*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88795 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 007-SS COLLECTION START: 08/24/94 1155 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 22582 SAS NO.: D. NO.: JA08 MD NO: JA08 \*\*  
\*\* \*\* \*\* \*\*

ANALYTICAL RESULTS UG/KG

300J 1 UNIDENTIFIED COMPOUND

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV  
Environmental Services Division  
College Station Road, Athens, Ga. 30613

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 10/08/94

SUBJECT: Results of Extractable Organic Analysis;  
94-0604 OLD CHERRY GROVE LF  
NIXON CROS SC  
CASE NO: 22582

FROM: Charles H. Hooper  
Chief, Laboratory Evaluation/Quality Assurance Section

TO: JOHN CRISWELL

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

## ORGANIC DATA QUALIFIER REPORT

Case Number 22582      Project Number 94-0604      SAS Number  
 Site ID. Old Cherry Grove LF, Nixon Cros, SC

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
<u>Volatiles</u>			
88789,88792, 88793,	4-methyl-2-pentanone	J	low internal standard recovery
	tetrachloroethene	J	low internal standard recovery
	1,1,2,2-tetrachloroethane	J	low internal standard recovery
	toluene	J	low internal standard recovery
	chlorobenzene	J	low internal standard recovery
	ethylbenzene	J	low internal standard recovery
	styrene	J	low internal standard recovery
	xylene	J	low internal standard recovery
	carbon disulfide	J	< quantitation limit
88794,88795, 88796	1,1,1-trichloroethane	J	low internal standard recovery
	carbon tetrachloride	J	low internal standard recovery
	bromodichloromethane	J	low internal standard recovery
	1,2-dichloropropane	J	low internal standard recovery
	trans-1,3-dichloropropene	J	low internal standard recovery
	trichloroethene	J	low internal standard recovery
	dibromochloromethane	J	low internal standard recovery
	1,1,2-trichloroethane	J	low internal standard recovery
	benzene	J	low internal standard recovery
	cis-1,3-dichloropropene	J	low internal standard recovery
	bromoform	J	low internal standard recovery
	2-hexanone	J	low internal standard recovery
	4-methyl-2-pentanone	J	low internal standard recovery
	tetrachloroethene	J	low internal standard recovery
	1,1,2,2-tetrachloroethane	J	low internal standard recovery
	toluene	J	low internal standard recovery
	chlorobenzene	J	low internal standard recovery
	ethylbenzene	J	low internal standard recovery
	styrene	J	low internal standard recovery
	xylene	J	low internal standard recovery
88793,88794, 88795	acetone	N	common lab contaminant

Extractables

88792,88794, 88795,88796	di-n-octylphthalate	J	low internal standard recovery
	benzo(b/k)fluoranthene	J	low internal standard recovery
	benzo(a)pyrene	J	low internal standard recovery
	indeno(1,2,3-cd)pyrene	J	low internal standard recovery
	dibenz(a,h)anthracene	J	low internal standard recovery
	benzo(g,h,i)perylene	J	low internal standard recovery
88794	fluoranthene	J	< quantitation limit
88795	phenanthrene	J	< quantitation limit
	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit

Pesticides

None



SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88789 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 001-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 **
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** CASE NO.: 22582 SAS NO.: D. NO.: JA02 **
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UG/KG ANALYTICAL RESULTS

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370U PHENOL
370U BIS(2-CHLOROETHYL) ETHER
370U 2-CHLOROPHENOL
370U 1,3-DICHLOROBENZENE
370U 1,4-DICHLOROBENZENE
370U 1,2-DICHLOROBENZENE
370U 2-METHYLPHENOL
370U 2,2'-CHLOROISOPROPYLETHYR
370U (3-AND/OR 4-)METHYLPHENOL
370U N-NITROSODI-N-PROPYLAMINE
370U HEXACHLOROETHANE
370U NITROBENZENE
370U ISOPHORONE
370U 2-NITROPHENOL
370U 2,4-DIMETHYLPHENOL
370U BIS(2-CHLOROETHOXY) METHANE
370U 2,4-DICHLOROPHENOL
370U 1,2,4-TRICHLOROBENZENE
370U NAPHTHALENE
370U 4-CHLOROANILINE
370U HEXACHLOROBUTADIENE
370U 4-CHLORO-3-METHYLPHENOL
370U 2-METHYLNAPHTHALENE
370U HEXACHLOROCYCLOPENTADIENE (HCCP)
370U 2,4,6-TRICHLOROPHENOL
890U 2,4,5-TRICHLOROPHENOL
370U 2-CHLORONAPHTHALENE
890U 2-NITROANILINE
370U DIMETHYL PHTHALATE
370U ACENAPHTHYLENE
370U 2,6-DINITROTOLUENE

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UG/KG ANALYTICAL RESULTS

```

890U 3-NITROANILINE
370U ACENAPHTHENE
890U 2,4-DINITROPHENOL
890U 4-NITROPHENOL
370U DIBENZOFURAN
370U 2,4-DINITROTOLUENE
370U DIETHYL PHTHALATE
370U 4-CHLOROPHENYL PHENYL ETHER
370U FLUORENE
890U 4-NITROANILINE
890U 2-METHYL-4,6-DINITROPHENOL
370U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
370U 4-BROMOPHENYL PHENYL ETHER
370U HEXACHLOROBENZENE (HCB)
890U PENTACHLOROPHENOL
370U PHENANTHRENE
370U ANTHRACENE
370U CARBAZOLE
790U DI-N-BUTYLPHTHALATE
370U FLUORANTHENE
370U PYRENE
370U BENZYL BUTYL PHTHALATE
370U 3,3'-DICHLOROBENZIDINE
370U BENZO(A)ANTHRACENE
370U CHRYSENE
1300U BIS(2-ETHYLHEXYL) PHTHALATE
370U DI-N-OCTYLPHTHALATE
370U BENZO(B AND/OR K)FLUORANTHENE
370U BENZO-A-PYRENE
370U INDENO (1,2,3-CD) PYRENE
370U DIBENZO(A,H)ANTHRACENE
370U BENZO(GH)PERYLENE
11 PERCENT MOISTURE

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\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

```

*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88790 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 002-SS COLLECTION START: 08/24/94 1157 STOP: 00/00/00 **
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** CASE NO.: 22582 SAS NO.: D. NO.: JA03 **
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UG/KG ANALYTICAL RESULTS

```

370U PHENOL
370U BIS(2-CHLOROETHYL) ETHER
370U 2-CHLOROPHENOL
370U 1,3-DICHLOROBENZENE
370U 1,4-DICHLOROBENZENE
370U 1,2-DICHLOROBENZENE
370U 2-METHYLPHENOL
370U 2,2'-CHLOROISOPROPYLETH
370U (3-AND/OR 4-)METHYLPHENOL
370U N-NITROSODI-N-PROPYLAMINE
370U HEXACHLOROETHANE
370U NITROBENZENE
370U ISOPHORONE
370U 2-NITROPHENOL
370U 2,4-DIMETHYLPHENOL
370U BIS(2-CHLOROETHOXY) METHANE
370U 2,4-DICHLOROPHENOL
370U 1,2,4-TRICHLOROBENZENE
370U NAPHTHALENE
370U 4-CHLOROANILINE
370U HEXACHLOROBUTADIENE
370U 4-CHLORO-3-METHYLPHENOL
370U 2-METHYLNAPHTHALENE
370U HEXACHLOROCYCLOPENTADIENE (HCCP)
370U 2,4,6-TRICHLOROPHENOL
370U 2,4,5-TRICHLOROPHENOL
370U 2-CHLORONAPHTHALENE
370U 2-NITROANILINE
370U DIMETHYL PHTHALATE
370U ACENAPHTHYLENE
370U 2,6-DINITROTOLUENE

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UG/KG ANALYTICAL RESULTS

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910U 3-NITROANILINE
370U ACENAPHTHENE
910U 2,4-DINITROPHENOL
910U 4-NITROPHENOL
370U DIBENZOFURAN
370U 2,4-DINITROTOLUENE
370U DIETHYL PHTHALATE
370U 4-CHLOROPHENYL PHENYL ETHER
370U FLUORENE
910U 4-NITROANILINE
910U 2-METHYL-4,6-DINITROPHENOL
370U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
370U 4-BROMOPHENYL PHENYL ETHER
370U HEXACHLOROBENZENE (HCB)
910U PENTACHLOROPHENOL
370U PHENANTHRENE
370U ANTHRACENE
370U CARBAZOLE
1600U DI-N-BUTYL PHTHALATE
370U FLUORANTHENE
370U PYRENE
370U BENZYL BUTYL PHTHALATE
370U 3,3'-DICHLOROBENZIDINE
370U BENZO(A)ANTHRACENE
370U CHRYSENE
3200 BIS(2-ETHYLHEXYL) PHTHALATE
370U DI-N-OCTYL PHTHALATE
370U BENZO(B AND/OR K)FLUORANTHENE
370U BENZO-A-PYRENE
370U INDENO (1,2,3-CD) PYRENE
370U DIBENZO(A,H)ANTHRACENE
370U BENZO(GHI)PERYLENE
14 PERCENT MOISTURE

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\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

\*\*\* \*\* \*\* \*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88791 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 003-SS COLLECTION START: 08/24/94 1207 STOP: 00/00/00 \*\*  
\*\* \*\* \*\* \*\*

\*\* CASE NO.: 22582 SAS NO.: D. NO.: JA04 \*\*

\*\*\* \*\* \*\* \*\*

UG/KG ANALYTICAL RESULTS

390U PHENOL  
390U BIS(2-CHLOROETHYL) ETHER  
390U 2-CHLOROPHENOL  
390U 1,3-DICHLOROBENZENE  
390U 1,4-DICHLOROBENZENE  
390U 1,2-DICHLOROBENZENE  
390U 2-METHYLPHENOL  
390U 2,2'-CHLOROISOPROPYLETHYER  
390U (3-AND/OR 4-)METHYLPHENOL  
390U N-NITROSODI-N-PROPYLAMINE  
390U HEXACHLOROETHANE  
390U NITROBENZENE  
390U ISOPHORONE  
390U 2-NITROPHENOL  
390U 2,4-DIMETHYLPHENOL  
390U BIS(2-CHLOROETHOXY) METHANE  
390U 2,4-DICHLOROPHENOL  
390U 1,2,4-TRICHLOROBENZENE  
390U NAPHTHALENE  
390U 4-CHLOROANILINE  
390U HEXACHLOROBUTADIENE  
390U 4-CHLORO-3-METHYLPHENOL  
390U 2-METHYLNAPHTHALENE  
390U HEXACHLOROCYCLOPENTADIENE (HCCP)  
390U 2,4,6-TRICHLOROPHENOL  
930U 2,4,5-TRICHLOROPHENOL  
390U 2-CHLORONAPHTHALENE  
930U 2-NITROANILINE  
390U DIMETHYL PHTHALATE  
390U ACENAPHTHYLENE  
390U 2,6-DINITROTOLUENE

UG/KG ANALYTICAL RESULTS

930U 3-NITROANILINE  
390U ACENAPHTHENE  
930U 2,4-DINITROPHENOL  
930U 4-NITROPHENOL  
390U DIBENZOFURAN  
390U 2,4-DINITROTOLUENE  
390U DIETHYL PHTHALATE  
390U 4-CHLOROPHENYL PHENYL ETHER  
390U FLUORENE  
930U 4-NITROANILINE  
930U 2-METHYL-4,6-DINITROPHENOL  
390U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE  
390U 4-BROMOPHENYL PHENYL ETHER  
390U HEXACHLOROBENZENE (HCB)  
930U PENTACHLOROPHENOL  
390U PHENANTHRENE  
390U ANTHRACENE  
390U CARBAZOLE  
390U DI-N-BUTYLPHTHALATE  
390U FLUORANTHENE  
390U PYRENE  
390U BENZYL BUTYL PHTHALATE  
390U 3,3'-DICHLOROBENZIDINE  
390U BENZO(A)ANTHRACENE  
390U CHRYSENE  
2200U BIS(2-ETHYLHEXYL) PHTHALATE  
390U DI-N-OCTYLPHTHALATE  
390U BENZO(B AND/OR K)FLUORANTHENE  
390U BENZO-A-PYRENE  
390U INDENO (1,2,3-CD) PYRENE  
390U DIBENZO(A,H)ANTHRACENE  
390U BENZO(GH)PERYLENE  
16 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88792 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 004-SS COLLECTION START: 08/24/94 1222 STOP: 00/00/00 **
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** CASE NO.: 22582 SAS NO.: D. NO.: JA05 **
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UG/KG ANALYTICAL RESULTS

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400U PHENOL
400U BIS(2-CHLOROETHYL) ETHER
400U 2-CHLOROPHENOL
400U 1,3-DICHLOROBENZENE
400U 1,4-DICHLOROBENZENE
400U 1,2-DICHLOROBENZENE
400U 2-METHYLPHENOL
400U 2,2'-CHLOROISOPROPYLETHYR
400U (3-AND/OR 4-)METHYLPHENOL
400U N-NITROSODI-N-PROPYLAMINE
400U HEXACHLOROETHANE
400U NITROBENZENE
400U ISOPHORONE
400U 2-NITROPHENOL
400U 2,4-DIMETHYLPHENOL
400U BIS(2-CHLOROETHOXY) METHANE
400U 2,4-DICHLOROPHENOL
400U 1,2,4-TRICHLOROBENZENE
400U NAPHTHALENE
400U 4-CHLOROANILINE
400U HEXACHLOROBUTADIENE
400U 4-CHLORO-3-METHYLPHENOL
400U 2-METHYLNAPHTHALENE
400U HEXACHLOROCYCLOPENTADIENE (HCCP)
400U 2,4,6-TRICHLOROPHENOL
960U 2,4,5-TRICHLOROPHENOL
400U 2-CHLORONAPHTHALENE
960U 2-NITROANILINE
400U DIMETHYL PHTHALATE
400U ACENAPHTHYLENE
400U 2,6-DINITROTOLUENE

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UG/KG ANALYTICAL RESULTS

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960U 3-NITROANILINE
960U ACENAPHTHENE
960U 2,4-DINITROPHENOL
400U 4-NITROPHENOL
400U DIBENZOFURAN
400U 2,4-DINITROTOLUENE
400U DIETHYL PHTHALATE
400U 4-CHLOROPHENYL PHENYL ETHER
960U FLUORENE
960U 4-NITROANILINE
400U 2-METHYL-4,6-DINITROPHENOL
400U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
400U 4-BROMOPHENYL PHENYL ETHER
960U HEXACHLOROEBENZENE (HCB)
400U PENTACHLOROPHENOL
400U PHENANTHRENE
400U ANTHRACENE
400U CARBAZOLE
400U DI-N-BUTYLPHTHALATE
400U FLUORANTHENE
400U PYRENE
400U BENZYL BUTYL PHTHALATE
400U 3,3'-DICHLOROBENZIDINE
400U BENZO(A)ANTHRACENE
400U CHRYSENE
2700U BIS(2-ETHYLHEXYL) PHTHALATE
400UJ DI-N-OCTYLPHTHALATE
400UJ BENZO(B AND/OR K)FLUORANTHENE
400UJ BENZO-A-PYRENE
400UJ INDENO (1,2,3-CD) PYRENE
400UJ DIBENZO(A,H)ANTHRACENE
400UJ BENZO(GH)PERYLENE
19 PERCENT MOISTURE

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\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88793 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 005-SS COLLECTION START: 08/24/94 1129 STOP: 00/00/00 **
**
** CASE NO.: 22582 SAS NO.: D. NO.: JA06 **
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UG/KG ANALYTICAL RESULTS

530U PHENOL  
530U BIS(2-CHLOROETHYL) ETHER  
530U 2-CHLOROPHENOL  
530U 1,3-DICHLOROBENZENE  
530U 1,4-DICHLOROBENZENE  
530U 1,2-DICHLOROBENZENE  
530U 2-METHYLPHENOL  
530U 2,2'-CHLOROISOPROPYLETHER  
530U (3-AND/OR 4-)METHYLPHENOL  
530U N-NITROSODI-N-PROPYLAMINE  
530U HEXACHLOROCYCLOHEXANE  
530U NITROBENZENE  
530U ISOPHORONE  
530U 2-NITROPHENOL  
530U 2,4-DIMETHYLPHENOL  
530U BIS(2-CHLOROETHOXY) METHANE  
530U 2,4-DICHLOROPHENOL  
530U 1,2,4-TRICHLOROBENZENE  
530U NAPHTHALENE  
530U 4-CHLOROANILINE  
530U HEXACHLOROBUTADIENE  
530U 4-CHLORO-3-METHYLPHENOL  
530U 2-METHYLNAPHTHALENE  
530U HEXACHLOROCYCLOPENTADIENE (HCCP)  
530U 2,4,6-TRICHLOROPHENOL  
1300U 2,4,5-TRICHLOROPHENOL  
530U 2-CHLORONAPHTHALENE  
1300U 2-NITROANILINE  
530U DIMETHYL PHTHALATE  
530U ACENAPHTHYLENE  
530U 2,6-DINITROTOLUENE

UG/KG ANALYTICAL RESULTS

1300U 3-NITROANILINE  
530U ACENAPHTHENE  
1300U 2,4-DINITROPHENOL  
1300U 4-NITROPHENOL  
530U DIBENZOFURAN  
530U 2,4-DINITROTOLUENE  
530U DIETHYL PHTHALATE  
530U 4-CHLOROPHENYL PHENYL ETHER  
530U FLUORENE  
1300U 4-NITROANILINE  
1300U 2-METHYL-4,6-DINITROPHENOL  
530U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE  
530U 4-BROMOPHENYL PHENYL ETHER  
530U HEXACHLOROBENZENE (HCB)  
1300U PENTACHLOROPHENOL  
530U PHENANTHRENE  
530U ANTHRACENE  
530U CARBAZOLE  
530U DI-N-BUTYLPHTHALATE  
530U FLUORANTHENE  
530U PYRENE  
530U BENZYL BUTYL PHTHALATE  
530U 3,3'-DICHLOROBENZIDINE  
530U BENZO(A)ANTHRACENE  
530U CHRYSENE  
530U BIS(2-ETHYLHEXYL) PHTHALATE  
530U DI-N-OCTYLPHTHALATE  
530U BENZO(B AND/OR K)FLUORANTHENE  
530U BENZO-A-PYRENE  
530U INDENO (1,2,3-CD) PYRENE  
530U DIBENZO(A,H)ANTHRACENE  
530U BENZO(GH)PERYLENE  
40 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88794 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNs **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 006-SS COLLECTION START: 08/24/94 1145 STOP: 00/00/00 **
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** CASE NO.: 22582 SAS NO.: D. NO.: JA07 **
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UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
580U	PHENOL	1400U	3-NITROANILINE
580U	BIS(2-CHLOROETHYL) ETHER	580U	ACENAPHTHENE
580U	2-CHLOROPHENOL	1400U	2,4-DINITROPHENOL
580U	1,3-DICHLOROBENZENE	1400U	4-NITROPHENOL
580U	1,4-DICHLOROBENZENE	580U	DIBENZOFURAN
580U	1,2-DICHLOROBENZENE	580U	2,4-DINITROTOLUENE
580U	2-METHYLPHENOL	580U	DIETHYL PHTHALATE
580U	2,2'-CHLOROISOPROPYLETHER	580U	4-CHLOROPHENYL PHENYL ETHER
580U	(3-AND/OR 4-)METHYLPHENOL	580U	FLUORENE
580U	N-NITROSODI-N-PROPYLAMINE	1400U	4-NITROANILINE
580U	HEXACHLOROETHANE	1400U	2-METHYL-4,6-DINITROPHENOL
580U	NITROBENZENE	580U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
580U	ISOPHORONE	580U	4-BROMOPHENYL PHENYL ETHER
580U	2-NITROPHENOL	580U	HEXACHLOROEBENZENE (HCB)
580U	2,4-DIMETHYLPHENOL	1400U	PENTACHLOROPHENOL
580U	BIS(2-CHLOROETHOXY) METHANE	580U	PHENANTHRENE
580U	2,4-DICHLOROPHENOL	580U	ANTHRACENE
580U	1,2,4-TRICHLOROBENZENE	580U	CARBAZOLE
580U	NAPHTHALENE	580U	DI-N-BUTYLPHTHALATE
580U	4-CHLOROANILINE	72J	FLUORANTHENE
580U	HEXACHLOROBUTADIENE	580U	PYRENE
580U	4-CHLORO-3-METHYLPHENOL	580U	BENZYL BUTYL PHTHALATE
580U	2-METHYLNAPHTHALENE	580U	3,3'-DICHLOROBENZIDINE
580U	HEXACHLOROCYCLOPENTADIENE (HCCP)	580U	BENZO(A)ANTHRACENE
580U	2,4,6-TRICHLOROPHENOL	580U	CHRYSENE
1400U	2,4,5-TRICHLOROPHENOL	700U	BIS(2-ETHYLHEXYL) PHTHALATE
580U	2-CHLORONAPHTHALENE	580UJ	DI-N-OCTYLPHTHALATE
1400U	2-NITROANILINE	580UJ	BENZO(B AND/OR K)FLUORANTHENE
580U	DIMETHYL PHTHALATE	580UJ	BENZO-A-PYRENE
580U	ACENAPHTHYLENE	580UJ	INDENO (1,2,3-CD) PYRENE
580U	2,6-DINITROTOLUENE	580UJ	DIBENZO(A,H)ANTHRACENE
		580UJ	BENZO(GH)PERYLENE
		43	PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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*A-AVERAGE VALUE      *NA-NOT ANALYZED      *NAI-INTERFERENCES  *J-ESTIMATED VALUE  *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN  *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88795 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 007-SS COLLECTION START: 08/24/94 1155 STOP: 00/00/00 **
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** CASE NO.: 22582 SAS NO.: D. NO.: JA08 **
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UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
820U	PHENOL	2000U	3-NITROANILINE
820U	BIS(2-CHLOROETHYL) ETHER	820U	ACENAPHTHENE
820U	2-CHLOROPHENOL	2000U	2,4-DINITROPHENOL
820U	1,3-DICHLOROBENZENE	2000U	4-NITROPHENOL
820U	1,4-DICHLOROBENZENE	820U	DIBENZOFURAN
820U	1,2-DICHLOROBENZENE	820U	2,4-DINITROTOLUENE
820U	2-METHYLPHENOL	820U	DIETHYL PHTHALATE
820U	2,2'-CHLOROISOPROPYLETHER	820U	4-CHLOROPHENYL PHENYL ETHER
820U	(3-AND/OR 4-)METHYLPHENOL	820U	FLUORENE
820U	N-NITROSODI-N-PROPYLAMINE	2000U	4-NITROANILINE
820U	HEXACHLOROETHANE	2000U	2-METHYL-4,6-DINITROPHENOL
820U	NITROBENZENE	820U	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE
820U	ISOPHORONE	820U	4-BROMOPHENYL PHENYL ETHER
820U	2-NITROPHENOL	820U	HEXACHLOROENZENE (HCB)
820U	2,4-DIMETHYLPHENOL	2000U	PENTACHLOROPHENOL
820U	BIS(2-CHLOROETHOXY) METHANE	230J	PHENANTHRENE
820U	2,4-DICHLOROPHENOL	820U	ANTHRACENE
820U	1,2,4-TRICHLOROBENZENE	820U	CARBAZOLE
820U	NAPHTHALENE	820U	DI-N-BUTYLPHTHALATE
820U	4-CHLOROANILINE	320J	FLUORANTHENE
820U	HEXACHLOROBUTADIENE	540J	PYRENE
820U	4-CHLORO-3-METHYLPHENOL	820U	BENZYL BUTYL PHTHALATE
820U	2-METHYLNAPHTHALENE	820U	3,3'-DICHLOROBENZIDINE
820U	HEXACHLOROCYCLOPENTADIENE (HCCP)	820U	BENZO(A)ANTHRACENE
820U	2,4,6-TRICHLOROPHENOL	820U	CHRYSENE
2000U	2,4,5-TRICHLOROPHENOL	820U	BIS(2-ETHYLHEXYL) PHTHALATE
820U	2-CHLORONAPHTHALENE	820UJ	DI-N-OCTYLPHTHALATE
2000U	2-NITROANILINE	200J	BENZO(B AND/OR K)FLUORANTHENE
820U	DIMETHYL PHTHALATE	820UJ	BENZO-A-PYRENE
820U	ACENAPHTHYLENE	820UJ	INDENO (1,2,3-CD) PYRENE
820U	2,6-DINITROTOLUENE	820UJ	DIBENZO(A,H)ANTHRACENE
		820UJ	BENZO(GH)PERYLENE
		60	PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE    \*NA-NOT ANALYZED    \*NAI-INTERFERENCES    \*J-ESTIMATED VALUE    \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN    \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
 \*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

EXTRACTABLE ORGANICS DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88796 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNES **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 008-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 **
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** CASE NO.: 22582 SAS NO.: D. NO.: JA09 **
*** **

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UG/KG ANALYTICAL RESULTS

370U PHENOL  
370U BIS(2-CHLOROETHYL) ETHER  
370U 2-CHLOROPHENOL  
370U 1,3-DICHLOROBENZENE  
370U 1,4-DICHLOROBENZENE  
370U 1,2-DICHLOROBENZENE  
370U 2-METHYLPHENOL  
370U 2,2'-CHLOROISOPROPYLETHYR  
370U (3-AND/OR 4-)METHYLPHENOL  
370U N-NITROSODI-N-PROPYLAMINE  
370U HEXACHLOROETHANE  
370U NITROBENZENE  
370U ISOPHORONE  
370U 2-NITROPHENOL  
370U 2,4-DIMETHYLPHENOL  
370U BIS(2-CHLOROETHOXY) METHANE  
370U 2,4-DICHLOROPHENOL  
370U 1,2,4-TRICHLOROBENZENE  
370U NAPHTHALENE  
370U 4-CHLOROANILINE  
370U HEXACHLOROBUTADIENE  
370U 4-CHLORO-3-METHYLPHENOL  
370U 2-METHYLNAPHTHALENE  
370U HEXACHLOROCYCLOPENTADIENE (HCCP)  
370U 2,4,6-TRICHLOROPHENOL  
900U 2,4,5-TRICHLOROPHENOL  
370U 2-CHLORONAPHTHALENE  
900U 2-NITROANILINE  
370U DIMETHYL PHTHALATE  
370U ACENAPHTHYLENE  
370U 2,6-DINITROTOLUENE

UG/KG ANALYTICAL RESULTS

900U 3-NITROANILINE  
370U ACENAPHTHENE  
900U 2,4-DINITROPHENOL  
900U 4-NITROPHENOL  
370U DIBENZOFURAN  
370U 2,4-DINITROTOLUENE  
370U DIETHYL PHTHALATE  
370U 4-CHLOROPHENYL PHENYL ETHER  
370U FLUORENE  
900U 4-NITROANILINE  
900U 2-METHYL-4,6-DINITROPHENOL  
370U N-NITROSODIPHENYLAMINE/DIPHENYLAMINE  
370U 4-BROMOPHENYL PHENYL ETHER  
370U HEXACHLOROBENZENE (HCB)  
900U PENTACHLOROPHENOL  
370U PHENANTHRENE  
370U ANTHRACENE  
370U CARBAZOLE  
370U DI-N-BUTYL PHTHALATE  
370U FLUORANTHENE  
370U PYRENE  
370U BENZYL BUTYL PHTHALATE  
370U 3,3'-DICHLOROBENZIDINE  
370U BENZO(A)ANTHRACENE  
370U CHRYSENE  
620U BIS(2-ETHYLHEXYL) PHTHALATE  
370UJ DI-N-OCTYL PHTHALATE  
370UJ BENZO(B AND/OR K)FLUORANTHENE  
370UJ BENZO-A-PYRENE  
370UJ INDENO (1,2,3-CD) PYRENE  
370UJ DIBENZO(A,H)ANTHRACENE  
370UJ BENZO(GH)PERYLENE  
12 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88789 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 001-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 22582 SAS NO.: D. NO.: JAO2 MD NO: JAO2 \*\*  
\*\* \*\*

ANALYTICAL RESULTS UG/KG

10000J 14 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88791 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 003-SS COLLECTION START: 08/24/94 1207 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 22582 SAS NO.: D. NO.: JAO4 MD NO: JAO4 \*\*  
\*\* \*\*

ANALYTICAL RESULTS UG/KG

200JN TETRAMETHYLPHENANTHRENE  
4000J 6 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88792 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNES \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 004-SS COLLECTION START: 08/24/94 1222 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 22582 SAS NO.: D. NO.: JA05 MD NO: JA05 \*\*  
\*\*

ANALYTICAL RESULTS UG/KG

20000J 8 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88793 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNES \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 005-SS COLLECTION START: 08/24/94 1129 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 22582 SAS NO.: D. NO.: JAO6 MD NO: JAO6 \*\*  
\*\*

ANALYTICAL RESULTS UG/KG

20000J 8 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

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\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\* \*\* \*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88794 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNES \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 006-SS COLLECTION START: 08/24/94 1145 STOP: 00/00/00 \*\*  
\*\* CASE.NO.: 22582 SAS NO.: D. NO.: JAO7 MD NO: JAO7 \*\*  
\*\* \*\* \*\* \*\*

ANALYTICAL RESULTS UG/KG

1000JN CINNAMYL CINNAMATE  
40000J 16 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88795 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNES \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 007-SS COLLECTION START: 08/24/94 1155 STOP: 00/00/00 \*\*  
\*\* CASE.NO.: 22582 SAS NO.: D. NO.: JA08 MD NO: JA08 \*\*  
\*\*  
\*\*\* \*\*

ANALYTICAL RESULTS UG/KG

60000J 13 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

MISCELLANEOUS EXTRACTABLE COMPOUNDS - DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88796 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNs \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 008-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 \*\*  
\*\* CASE.NO.: 22582 SAS NO.: D. NO.: JA09 MD NO: JA09 \*\*  
\*\*\* \*\*

ANALYTICAL RESULTS UG/KG

100JN TETRAMETHYLPHENANTHRENE  
300JN CINNAMYL CINNAMATE  
10000J 7 UNIDENTIFIED COMPOUNDS

\*\*\*FOOTNOTES\*\*\*

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV  
Environmental Services Division  
College Station Road, Athens, Ga. 30613

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 10/08/94

SUBJECT: Results of Pesticide/PCB Analysis;  
94-0604 OLD CHERFY GROVE LF  
NIXON CRCS SC  
CASE NO: 22582

FROM: Charles H. Hooper  
Chief, Laboratory Evaluation/Quality Assurance Section

TO: JOHN CRISWELL

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT



# ORGANIC DATA QUALIFIER REPORT

Case Number 22582      Project Number 94-0604      SAS Number  
Site ID. Old Cherry Grove LF, Nixon Cros, SC

<u>Affected Samples</u>	<u>Compound or Fraction</u>	<u>Flag Used</u>	<u>Reason</u>
<u>Volatiles</u>			
88789,88792, 88793,	4-methyl-2-pentanone	J	low internal standard recovery
	tetrachloroethene	J	low internal standard recovery
	1,1,2,2-tetrachloroethane	J	low internal standard recovery
	toluene	J	low internal standard recovery
	chlorobenzene	J	low internal standard recovery
	ethylbenzene	J	low internal standard recovery
	styrene	J	low internal standard recovery
	xylene	J	low internal standard recovery
	carbon disulfide	J	< quantitation limit
88794,88795, 88796	1,1,1-trichloroethane	J	low internal standard recovery
	carbon tetrachloride	J	low internal standard recovery
	bromodichloromethane	J	low internal standard recovery
	1,2-dichloropropane	J	low internal standard recovery
	trans-1,3-dichloropropene	J	low internal standard recovery
	trichloroethene	J	low internal standard recovery
	dibromochloromethane	J	low internal standard recovery
	1,1,2-trichloroethane	J	low internal standard recovery
	benzene	J	low internal standard recovery
	cis-1,3-dichloropropene	J	low internal standard recovery
	bromoform	J	low internal standard recovery
	2-hexanone	J	low internal standard recovery
	4-methyl-2-pentanone	J	low internal standard recovery
	tetrachloroethene	J	low internal standard recovery
	1,1,2,2-tetrachloroethane	J	low internal standard recovery
	toluene	J	low internal standard recovery
	chlorobenzene	J	low internal standard recovery
	ethylbenzene	J	low internal standard recovery
	styrene	J	low internal standard recovery
	xylene	J	low internal standard recovery
88793,88794, 88795	acetone	N	common lab contaminant

## Extractables

88792,88794, 88795,88796	di-n-octylphthalate	J	low internal standard recovery
	benzo(b/k)fluoranthene	J	low internal standard recovery
	benzo(a)pyrene	J	low internal standard recovery
	indeno(1,2,3-cd)pyrene	J	low internal standard recovery
	dibenz(a,h)anthracene	J	low internal standard recovery
	benzo(g,h,i)perylene	J	low internal standard recovery
88794	fluoranthene	J	< quantitation limit
88795	phenanthrene	J	< quantitation limit
	fluoranthene	J	< quantitation limit
	pyrene	J	< quantitation limit

## Pesticides

None

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

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*** * * * *
** PROJECT NO. 94-0604 SAMPLE NO. 88789 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 001-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 **
** CASE NUMBER: 22582 SAS NUMBER: D. NUMBER: JA02 **
** * * * * *
  
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UG/KG ANALYTICAL RESULTS

1.9U ALPHA-BHC  
1.9U BETA-BHC  
1.9U DELTA-BHC  
1.9U GAMMA-BHC (LINDANE)  
1.9U HEPTACHLOR  
1.9U ALDRIN  
1.9U HEPTACHLOR EPOXIDE  
1.9U ENDOSULFAN I (ALPHA)  
3.6U DIELDRIN  
3.6U 4,4'-DDE (P,P'-DDE)  
3.6U ENDRIN  
3.6U ENDOSULFAN II (BETA)  
3.6U 4,4'-DDD (P,P'-DDD)  
3.6U ENDOSULFAN SULFATE  
3.6U 4,4'-DDT (P,P'-DDT)

UG/KG ANALYTICAL RESULTS

19U METHOXYCHLOR  
3.6U ENDRIN KETONE  
3.6U ENDRIN ALDEHYDE  
--- CHLORDANE (TECH. MIXTURE) /1  
1.9U GAMMA-CHLORDANE /2  
1.9U ALPHA-CHLORDANE /2  
190U TOXAPHENE  
36U PCB-1016 (AROCLOR 1016)  
74U PCB-1221 (AROCLOR 1221)  
36U PCB-1232 (AROCLOR 1232)  
150 PCB-1242 (AROCLOR 1242)  
36U PCB-1248 (AROCLOR 1248)  
36U PCB-1254 (AROCLOR 1254)  
36U PCB-1260 (AROCLOR 1260)  
11 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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\*C-CONFIRMED BY GCMS 1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.  
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

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*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88790 SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNES   **
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC   **
** STATION ID: 002-SS   COLLECTION START: 08/24/94 1157 STOP: 00/00/00   **
** CASE NUMBER: 22582   SAS NUMBER:   D. NUMBER: JA03   **
**

```

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
2.0U	ALPHA-BHC	20U	METHOXYCHLOR
2.0U	BETA-BHC	3.8U	ENDRIN KETONE
2.0U	DELTA-BHC	3.8U	ENDRIN ALDEHYDE
2.0U	GAMMA-BHC (LINDANE)	--	CHLORDANE (TECH. MIXTURE) /1
2.0U	HEPTACHLOR	2.0U	GAMMA-CHLORDANE /2
2.0U	ALDRIN	2.0U	ALPHA-CHLORDANE /2
2.0U	HEPTACHLOR EPOXIDE	200U	TOXAPHENE
2.0U	ENDOSULFAN I (ALPHA)	38U	PCB-1016 (AROCLOR 1016)
3.8U	DIELDRIN	77U	PCB-1221 (AROCLOR 1221)
3.8U	4,4'-DDE (P,P'-DDE)	38U	PCB-1232 (AROCLOR 1232)
3.8U	ENDRIN	38U	PCB-1242 (AROCLOR 1242)
3.8U	ENDOSULFAN II (BETA)	38U	PCB-1248 (AROCLOR 1248)
3.8U	4,4'-DDD (P,P'-DDD)	38U	PCB-1254 (AROCLOR 1254)
3.8U	ENDOSULFAN SULFATE	38U	PCB-1260 (AROCLOR 1260)
3.8U	4,4'-DDT (P,P'-DDT)	14	PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE    \*NA-NOT ANALYZED    \*NAI-INTERFERENCES    \*J-ESTIMATED VALUE    \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN    \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
 \*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.  
 \*C-CONFIRMED BY GCMS    1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.  
 2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0604   SAMPLE NO. 88791   SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNs   **
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC   **
** STATION ID: 003-SS   COLLECTION START: 08/24/94   1207   STOP: 00/00/00   **
** CASE NUMBER: 22582   SAS NUMBER:   D. NUMBER: JA04   **
** ** ** **
  
```

UG/KG                      ANALYTICAL RESULTS

2.0U ALPHA-BHC  
2.0U BETA-BHC  
2.0U DELTA-BHC  
2.0U GAMMA-BHC (LINDANE)  
2.0U HEPTACHLOR  
2.0U ALDRIN  
2.0U HEPTACHLOR EPOXIDE  
2.0U ENDOSULFAN I (ALPHA)  
3.9U DIELDRIN  
3.9U 4,4'-DDE (P,P'-DDE)  
3.9U ENDRIN  
3.9U ENDOSULFAN II (BETA)  
3.9U 4,4'-DDD (P,P'-DDD)  
3.9U ENDOSULFAN SULFATE  
3.9U 4,4'-DDT (P,P'-DDT)

UG/KG                      ANALYTICAL RESULTS

20U METHOXYCHLOR  
3.9U ENDRIN KETONE  
3.9U ENDRIN ALDEHYDE  
-- CHLORDANE (TECH. MIXTURE) /1  
2.0U GAMMA-CHLORDANE /2  
2.0U ALPHA-CHLORDANE /2  
200U TOXAPHENE  
39U PCB-1016 (AROCLOR 1016)  
78U PCB-1221 (AROCLOR 1221)  
39U PCB-1232 (AROCLOR 1232)  
39U PCB-1242 (AROCLOR 1242)  
60U PCB-1248 (AROCLOR 1248)  
90U PCB-1254 (AROCLOR 1254)  
130 PCB-1260 (AROCLOR 1260)  
16 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE    \*NA-NOT ANALYZED    \*NAI-INTERFERENCES    \*J-ESTIMATED VALUE    \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN    \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
\*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.  
\*C-CONFIRMED BY GCMS                      1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.  
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

```

*** **
** PROJECT NO. 94-0604  SAMPLE NO. 88792  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: F.M. CARNES  **
** SOURCE: OLD CHERRY GROVE LF  CITY: NIXON CROS  ST: SC  **
** STATION ID: 004-SS  COLLECTION START: 08/24/94  1222  STOP: 00/00/00  **
** CASE NUMBER: 22582  SAS NUMBER:  D. NUMBER: JA05  **
**

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*** **
UG/KG  ANALYTICAL RESULTS  UG/KG  ANALYTICAL RESULTS

```

```

2.1U ALPHA-BHC
2.1U BETA-BHC
2.1U DELTA-BHC
2.1U GAMMA-BHC (LINDANE)
2.1U HEPTACHLOR
2.1U ALDRIN
2.1U HEPTACHLOR EPOXIDE
2.1U ENDOSULFAN I (ALPHA)
4.0U DIELDRIN
4.0U 4,4'-DDE (P,P'-DDE)
4.0U ENDRIN
4.0U ENDOSULFAN II (BETA)
4.0U 4,4'-DDD (P,P'-DDD)
4.0U ENDOSULFAN SULFATE
25 4,4'-DDT (P,P'-DDT)

```

```

21U METHOXYCHLOR
4.0U ENDRIN KETONE
4.0U ENDRIN ALDEHYDE
-- CHLORDANE (TECH. MIXTURE) /1
2.1U GAMMA-CHLORDANE /2
2.1U ALPHA-CHLORDANE /2
210U TOXAPHENE
40U PCB-1016 (AROCLOR 1016)
82U PCB-1221 (AROCLOR 1221)
40U PCB-1232 (AROCLOR 1232)
160 PCB-1242 (AROCLOR 1242)
40U PCB-1248 (AROCLOR 1248)
40U PCB-1254 (AROCLOR 1254)
40U PCB-1260 (AROCLOR 1260)
19 PERCENT MOISTURE

```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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*A-AVERAGE VALUE  *NA-NOT ANALYZED  *NAI-INTERFERENCES  *J-ESTIMATED VALUE  *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN  *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
*C-CONFIRMED BY GCMS  1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0604  SAMPLE NO. 88793  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: F.M. CARNS  **
** SOURCE: OLD CHERRY GROVE LF  CITY: NIXON CROS  ST: SC  **
** STATION ID: 005-SS  COLLECTION START: 08/24/94  1129  STOP: 00/00/00  **
** CASE NUMBER: 22582  SAS NUMBER:  D. NUMBER: JA06  **
** ** ** **

```

UG/KG                      ANALYTICAL RESULTS

```

2.8U ALPHA-BHC
2.8U BETA-BHC
2.8U DELTA-BHC
2.8U GAMMA-BHC (LINDANE)
2.8U HEPTACHLOR
2.8U ALDRIN
2.8U HEPTACHLOR EPOXIDE
2.8U ENDOSULFAN I (ALPHA)
5.5U DIELDRIN
5.5U 4,4'-DDE (P,P'-DDE)
5.5U ENDRIN
5.5U ENDOSULFAN II (BETA)
5.5U 4,4'-DDD (P,P'-DDD)
5.5U ENDOSULFAN SULFATE
5.5U 4,4'-DDT (P,P'-DDT)

```

UG/KG                      ANALYTICAL RESULTS

```

28U METHOXYCHLOR
5.5U ENDRIN KETONE
5.5U ENDRIN ALDEHYDE
--- CHLORDANE (TECH. MIXTURE) /1
2.8U GAMMA-CHLORDANE /2
2.8U ALPHA-CHLORDANE /2
280U TOXAPHENE
55U PCB-1016 (AROCLOR 1016)
110U PCB-1221 (AROCLOR 1221)
55U PCB-1232 (AROCLOR 1232)
55U PCB-1242 (AROCLOR 1242)
55U PCB-1248 (AROCLOR 1248)
55U PCB-1254 (AROCLOR 1254)
55U PCB-1260 (AROCLOR 1260)
40 PERCENT MOISTURE

```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

```

*A-AVERAGE VALUE    *NA-NOT ANALYZED    *NAI-INTERFERENCES    *J-ESTIMATED VALUE    *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN    *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
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*C-CONFIRMED BY GCMS                      1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

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*** **
** PROJECT NO. 94-0604   SAMPLE NO. 88794   SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNS   **
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC   **
** STATION ID: 006-SS   COLLECTION START: 08/24/94   1145   STOP: 00/00/00   **
** CASE NUMBER: 22582   SAS NUMBER:   D. NUMBER: JA07   **
**

```

UG/KG	ANALYTICAL RESULTS	UG/KG	ANALYTICAL RESULTS
2.9U	ALPHA-BHC	29U	METHOXYCHLOR
2.9U	BETA-BHC	5.7U	ENDRIN KETONE
2.9U	DELTA-BHC	5.7U	ENDRIN ALDEHYDE
2.9U	GAMMA-BHC (LINDANE)	--	CHLORDANE (TECH. MIXTURE) /1
2.9U	HEPTACHLOR	2.9U	GAMMA-CHLORDANE /2
2.9U	ALDRIN	2.9U	ALPHA-CHLORDANE /2
2.9U	HEPTACHLOR EPOXIDE	290U	TOXAPHENE
2.9U	ENDOSULFAN I (ALPHA)	57U	PCB-1016 (AROCLOR 1016)
5.7U	DIELDRIN	120U	PCB-1221 (AROCLOR 1221)
5.7U	4,4'-DDE (P,P'-DDE)	57U	PCB-1232 (AROCLOR 1232)
5.7U	ENDRIN	110	PCB-1242 (AROCLOR 1242)
5.7U	ENDOSULFAN II (BETA)	57U	PCB-1248 (AROCLOR 1248)
5.7U	4,4'-DDD (P,P'-DDD)	57U	PCB-1254 (AROCLOR 1254)
5.7U	ENDOSULFAN SULFATE	57U	PCB-1260 (AROCLOR 1260)
5.7U	4,4'-DDT (P,P'-DDT)	43	PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE    \*NA-NOT ANALYZED    \*NAI-INTERFERENCES    \*J-ESTIMATED VALUE    \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN    \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
 \*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.  
 \*C-CONFIRMED BY GCMS    1. WHEN NO VALUE IS REPORTED, SEE CHLORDANE CONSTITUENTS.  
 2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

```

*** * * * *
** PROJECT NO. 94-0604   SAMPLE NO. 88795   SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNS   **
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC   **
** STATION ID: 007-SS   COLLECTION START: 08/24/94   1155   STOP: 00/00/00   **
** CASE NUMBER: 22582   SAS NUMBER:   D. NUMBER: JA08   **
** * * * * *
  
```

UG/KG      ANALYTICAL RESULTS

```

4.3U ALPHA-BHC
4.3U BETA-BHC
1.3U DELTA-BHC
4.3U GAMMA-BHC (LINDANE)
4.3U HEPTACHLOR
4.3U ALDRIN
4.3U HEPTACHLOR EPOXIDE
4.3U ENDOSULFAN I (ALPHA)
8.4U DIELDRIN
8.4U 4,4'-DDE (P,P'-DDE)
8.4U ENDRIN
8.4U ENDOSULFAN II (BETA)
8.4U 4,4'-DDD (P,P'-DDD)
8.4U ENDOSULFAN SULFATE
8.4U 4,4'-DDT (P,P'-DDT)
  
```

UG/KG      ANALYTICAL RESULTS

```

43U METHOXYCHLOR
8.4U ENDRIN KETONE
8.4U ENDRIN ALDEHYDE
-- CHLORDANE (TECH. MIXTURE) /1
4.3U GAMMA-CHLORDANE /2
4.3U ALPHA-CHLORDANE /2
430U TOXAPHENE
84U PCB-1016 (AROCLOR 1016)
170U PCB-1221 (AROCLOR 1221)
84U PCB-1232 (AROCLOR 1232)
830 PCB-1242 (AROCLOR 1242)
84U PCB-1248 (AROCLOR 1248)
84U PCB-1254 (AROCLOR 1254)
84U PCB-1260 (AROCLOR 1260)
61 PERCENT MOISTURE
  
```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

```

*A-AVERAGE VALUE    *NA-NOT ANALYZED    *NAI-INTERFERENCES    *J-ESTIMATED VALUE    *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN    *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.
*C-CONFIRMED BY GCMS    1. WHEN NO VALUE IS REPORTED. SEE CHLORDANE CONSTITUENTS.
2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.
  
```



SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

PESTICIDES/PCB'S DATA REPORT

```

*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88796 SAMPLE TYPE: SOIL   PROG ELEM: NSF   COLLECTED BY: F.M. CARNS   **
** SOURCE: OLD CHERRY GROVE LF   CITY: NIXON CROS   ST: SC   **
** STATION ID: 008-SS   COLLECTION START: 08/24/94 1130 STOP: 00/00/00   **
** CASE NUMBER: 22582   SAS NUMBER:   D. NUMBER: JA09   **
**

```

UG/KG

ANALYTICAL RESULTS

```

1.9U ALPHA-BHC
1.9U BETA-BHC
1.9U DELTA-BHC
1.9U GAMMA-BHC (LINDANE)
1.9U HEPTACHLOR
1.9U ALDRIN
1.9U HEPTACHLOR EPOXIDE
1.9U ENDOSULFAN I (ALPHA)
3.7U DIELDRIN
3.7U 4,4'-DDE (P,P'-DDE)
3.7U ENDRIN
3.7U ENDOSULFAN II (BETA)
3.7U 4,4'-DDD (P,P'-DDD)
3.7U ENDOSULFAN SULFATE
3.7U 4,4'-DDT (P,P'-DDT)

```

UG/KG

ANALYTICAL RESULTS

```

19U METHOXYCHLOR
3.7U ENDRIN KETONE
3.7U ENDRIN ALDEHYDE
--- CHLORDANE (TECH. MIXTURE) /1
1.9U GAMMA-CHLORDANE /2
1.9U ALPHA-CHLORDANE /2
190U TOXAPHENE
37U PCB-1016 (AROCLOR 1016)
76U PCB-1221 (AROCLOR 1221)
37U PCB-1232 (AROCLOR 1232)
600 PCB-1242 (AROCLOR 1242)
37U PCB-1248 (AROCLOR 1248)
37U PCB-1254 (AROCLOR 1254)
37U PCB-1260 (AROCLOR 1260)
12 PERCENT MOISTURE

```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

```

*A-AVERAGE VALUE   *NA-NOT ANALYZED   *NAI-INTERFERENCES   *J-ESTIMATED VALUE   *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
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2. CONSTITUENTS OR METABOLITES OF TECHNICAL CHLORDANE.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV  
Environmental Services Division  
College Station Road, Athens, Ga. 30613

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 10/08/94

SUBJECT: Results of Metals Analysis;  
94-0604 OLD CHERRY GROVE LF  
NIXON CROS SC  
CASE NO: 22582

FROM: Charles H. Hooper  
Chief, Laboratory Evaluation/Quality Assurance Section

TO: JOHN CRISWELL

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

# INORGANIC DATA QUALIFIERS REPORT

Case Number: 22582

Project Number: 94-0604

Site: Old Cherry Grove LF, Nixon Crossing, SC

Element	Flag	Samples Affected	Reason
Al, Zn	U	All positives > IDL, but < CRDL	Baseline instability
Ca, Fe, Na	U	All positives > IDL, but < 10X contaminant level	Positives in blanks
Tl	JN	All positives with Al or Fe concentrations in solution > 160,000 ug/L	Suspected positive interference as noted in the contractor ICS
Pb	J	All with Al or Fe concentrations in solution > 60,000 ug/L	Suspected over correction as noted in the contractor ICS
Se	J	All with Al or Fe concentrations in solution > 120,000 ug/L	Suspected over correction as noted in the contractor ICS
Sb	J	All	Matrix spike recovery = 71.4%
Se	U	MDJA02, 03, 06, & 07	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Ag	U	MDJA05	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Cd	U	MDJA06	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Sb	U	MDJA08	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
V	J	MDJA02	% RSD > 20% for ICP multiple exposures
K	J	MDJA04	% RSD > 20% for ICP multiple exposures
Ni	J	MDJA04, 05, 06, & 07	% RSD > 20% for ICP multiple exposures
Co	J	MDJA06 & 06	% RSD > 20% for ICP multiple exposures
As	J	MDJA05 & 08	Only analysis of 2X CRDL standard required by SOW for ICP analysis
Be	J	MDJA05, 07, & 08	Only analysis of 2X CRDL standard required by SOW for ICP analysis

INORGANIC DATA QUALIFIERS REPORT (continued)

Case Number: 22582

Project Number: 94-0604

Site: Old Cherry Grove LF, Nixon Crossing, SC

<u>Element</u>	<u>Flag</u>	<u>Samples Affected</u>	<u>Reason</u>
Cd	J	MDJA05	Only analysis of 2X CRDL standard required by SOW for ICP analysis

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

```

*** **
** PROJECT NO. 94-0604 SAMPLE NO. 88789 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNES **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 001-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 **
** CASE NUMBER: 22582 SAS NUMBER: MD NUMBER: JAO2 **
**

```

```

*** **
MG/KG ANALYTICAL RESULTS
780 ALUMINUM
2.7UJ ANTIMONY
0.57U ARSENIC
5.1 BARIUM
0.04U BERYLLIUM
0.51U CADMIUM
120 CALCIUM
1.7 CHROMIUM
0.46U COBALT
0.95 COPPER
390 IRON
5.1 LEAD
24 MAGNESIUM

```

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*** **
MG/KG ANALYTICAL RESULTS
1 MANGANESE
0.11U MERCURY
1.1U NICKEL
90U POTASSIUM
1U SELENIUM
0.38U SILVER
66 SODIUM
1.3U THALLIUM
NA TIN
0.93J VANADIUM
2U ZINC
12 PERCENT MOISTURE

```

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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*A-AVERAGE VALUE *NA-NOT ANALYZED *NAI-INTERFERENCES *J-ESTIMATED VALUE *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN *L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN
*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

```

*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88790 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 002-SS COLLECTION START: 08/24/94 1157 STOP: 00/00/00 **
** CASE NUMBER: 22582 SAS NUMBER: MD NUMBER: JAO3 **
** ** ** **
  
```

MG/KG	ANALYTICAL RESULTS	MG/KG	ANALYTICAL RESULTS
1000	ALUMINUM	1.3	MANGANESE
2.8UJ	ANTIMONY	0.10U	MERCURY
0.60U	ARSENIC	1.2U	NICKEL
2.5	BARIUM	90U	POTASSIUM
0.05U	BERYLLIUM	1U	SELENIUM
0.53U	CADMIUM	0.39U	SILVER
89	CALCIUM	20U	SODIUM
1.9	CHROMIUM	1.5U	THALLIUM
0.48U	COBALT	NA	TIN
1.5	COPPER	2.7	VANADIUM
270	IRON	3U	ZINC
4.2	LEAD	13	PERCENT MOISTURE
17	MAGNESIUM		

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE    \*NA-NOT ANALYZED    \*NAI-INTERFERENCES    \*J-ESTIMATED VALUE    \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
 \*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN    \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
 \*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.  
 \*R-QC INDICATES THAT DATA UNUSABLE. COMPOUND MAY OR MAY NOT BE PRESENT. RESAMPLING AND REANALYSIS IS NECESSARY FOR VERIFICATION.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88791 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 003-SS COLLECTION START: 08/24/94 1207 STOP: 00/00/00 \*\*  
\*\* CASE NUMBER: 22582 SAS NUMBER: MD NUMBER: JAO4 \*\*  
\*\*\* \*\*

MG/KG ANALYTICAL RESULTS  
1600 ALUMINUM  
2.9UJ ANTIMONY  
0.62U ARSENIC  
5.6 BARIUM  
0.05U BERYLLIUM  
0.54U CADMIUM  
780 CALCIUM  
3.8 CHROMIUM  
0.50U COBALT  
4 COPPER  
760 IRON  
5.6 LEAD  
72 MAGNESIUM

MG/KG ANALYTICAL RESULTS  
7.2 MANGANESE  
0.11U MERCURY  
1.2J NICKEL  
110J POTASSIUM  
0.57U SELENIUM  
0.40U SILVER  
30U SODIUM  
1.3U THALLIUM  
NA TIN  
4.9 VANADIUM  
10 ZINC  
17 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88792 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 004-SS COLLECTION START: 08/24/94 1222 STOP: 00/00/00 \*\*  
\*\* CASE NUMBER: 22582 SAS NUMBER: MD NUMBER: JA05 \*\*  
\*\*

MG/KG  
5200 ALUMINUM  
30J ANTIMONY  
2.3J ARSENIC  
36 BARIUM  
0.05J BERYLLIUM  
1J CADMIUM  
2400 CALCIUM  
15 CHROMIUM  
1.9 COBALT  
84 COPPER  
15000 IRON  
100J LEAD  
190 MAGNESIUM

ANALYTICAL RESULTS

MG/KG  
140 MANGANESE  
0.12U MERCURY  
5.1J NICKEL  
100U POTASSIUM  
0.58U SELENIUM  
1U SILVER  
29 SODIUM  
1.4U THALLIUM  
NA TIN  
6.3 VANADIUM  
330 ZINC  
17 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88793 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 005-SS COLLECTION START: 08/24/94 1129 STOP: 00/00/00 \*\*  
\*\* CASE NUMBER: 22582 SAS NUMBER: MD NUMBER: JA06 \*\*  
\*\*

MG/KG  
1400 ALUMINUM  
4.6UJ ANTIMONY  
0.96U ARSENIC  
12 BARIUM  
0.07U BERYLLIUM  
2U CADMIUM  
7100 CALCIUM  
2.5 CHROMIUM  
0.85J COBALT  
8.8 COPPER  
840 IRON  
7.6 LEAD  
130 MAGNESIUM

ANALYTICAL RESULTS

MG/KG  
40 MANGANESE  
0.15U MERCURY  
2.3J NICKEL  
150U POTASSIUM  
2U SELENIUM  
0.62U SILVER  
38 SODIUM  
2.1U THALLIUM  
NA TIN  
2.6 VANADIUM  
100 ZINC  
46 PERCENT MOISTURE

ANALYTICAL RESULTS

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88794 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 006-SS COLLECTION START: 08/24/94 1145 STOP: 00/00/00 \*\*  
\*\* CASE NUMBER: 22582 SAS NUMBER: MD NUMBER: JA07 \*\*  
\*\*

MG/KG  
6500 ALUMINUM  
4.60J ANTIMONY  
0.96U ARSENIC  
35 BARIUM  
0.20J BERYLLIUM  
0.85U CADMIUM  
5800 CALCIUM  
6 CHROMIUM  
0.88J COBALT  
6.1 COPPER  
1200 IRON  
17 LEAD  
590 MAGNESIUM

ANALYTICAL RESULTS

MG/KG  
58 MANGANESE  
0.18U MERCURY  
2.9J NICKEL  
330 POTASSIUM  
20 SILENIUM  
0.63U SILVER  
61 SODIUM  
2.1U THALLIUM  
NA TIN  
6.9 VANADIUM  
26 ZINC  
47 PERCENT MOISTURE

ANALYTICAL RESULTS

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

\*\*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88795 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 007-SS COLLECTION START: 08/24/94 1155 STOP: 00/00/00 \*\*  
\*\* CASE NUMBER: 22582 SAS NUMBER: MD NUMBER: JA08 \*\*  
\*\*

\*\*\*  
MG/KG ANALYTICAL RESULTS  
13000 ALUMINUM  
70J ANTIMONY  
2.1J ARSENIC  
83 BARIUM  
0.30J BERYLLIUM  
1.1U CADMIUM  
17000 CALCIUM  
12 CHROMIUM  
2.8 COBALT  
13 COPPER  
9800 IRON  
32 LEAD  
730 MAGNESIUM

\*\*\*  
MG/KG ANALYTICAL RESULTS  
210 MANGANESE  
0.23U MERCURY  
6.1 NICKEL  
110 POTASSIUM  
2.6 SELENIUM  
0.84U SILVER  
220 SODIUM  
2.8U THALLIUM  
NA TIN  
14 VANADIUM  
180 ZINC  
60 PERCENT MOISTURE

\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

METALS DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0604  SAMPLE NO. 88796  SAMPLE TYPE: SOIL  PROG ELEM: NSF  COLLECTED BY: F.M. CARNS  **
** SOURCE: OLD CHERRY GROVE LF  CITY: NIXON CROS  ST: SC  **
** STATION ID: 008-SS  COLLECTION START: 08/24/94  1130  STOP: 00/00/00  **
** CASE NUMBER: 22582  SAS NUMBER:  MD NUMBER: JA09  **
**

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*** ** ** ** *
MG/KG  ANALYTICAL RESULTS
1000  ALUMINUM
2.8UJ  ANTIMONY
0.58U  ARSENIC
4.8  BARIUM
0.04U  BERYLLIUM
0.52U  CADMIUM
120  CALCIUM
1.7  CHROMIUM
0.47U  COBALT
1.1  COPPER
450  IRON
5  LEAD
34  MAGNESIUM

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*** ** ** ** *
MG/KG  ANALYTICAL RESULTS
2  MANGANESE
0.11U  MERCURY
1.2U  NICKEL
90U  POTASSIUM
0.54U  SELENIUM
0.38U  SILVER
69  SODIUM
1.3U  THALLIUM
NA  TIN
1.3  VANADIUM
3U  ZINC
11  PERCENT MOISTURE

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\*\*\*REMARKS\*\*\*

\*\*\*REMARKS\*\*\*

\*\*\*FOOTNOTES\*\*\*

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*A-AVERAGE VALUE  *NA-NOT ANALYZED  *NAI-INTERFERENCES  *J-ESTIMATED VALUE  *N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV  
Environmental Services Division  
College Station Road, Athens, Ga. 30613

\*\*\*\*\*MEMORANDUM\*\*\*\*\*

DATE: 10/08/94

SUBJECT: Results of Specified Analysis;  
94-0604 OLD CHERRY GROVE LF  
NIXON CRCS SC  
CASE NO: 22582

FROM: Charles H. Hooper  
Chief, Laboratory Evaluation/Quality Assurance Section

TO: JOHN CRISWELL

Attached are the results of analysis of samples collected as part of the subject project.

As a result of the Quality Assurance Review, certain data qualifiers may have been placed on the data. Attached is a DATA QUALIFIER REPORT which explains the reasons that these qualifiers were required.

If you have any questions please contact me.

ATTACHMENT

# INORGANIC DATA QUALIFIERS REPORT

Case Number: 22582

Project Number: 94-0604

Site: Old Cherry Grove LF, Nixon Crossing, SC

Element	Flag	Samples Affected	Reason
Al, Zn	U	All positives > IDL, but < CRDL	Baseline instability
Ca, Fe, Na	U	All positives > IDL, but < 10X contaminant level	Positives in blanks
Tl	JN	All positives with Al or Fe concentrations in solution > 160,000 ug/L	Suspected positive interference as noted in the contractor ICS
Pb	J	All with Al or Fe concentrations in solution > 60,000 ug/L	Suspected over correction as noted in the contractor ICS
Se	J	All with Al or Fe concentrations in solution > 120,000 ug/L	Suspected over correction as noted in the contractor ICS
Sb	J	All	Matrix spike recovery = 71.4%
Se	U	MDJA02, 03, 06, & 07	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Ag	U	MDJA05	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Cd	U	MDJA06	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
Sb	U	MDJA08	% RSD > 20% for ICP multiple exposures and results > IDL, but < CRDL
V	J	MDJA02	% RSD > 20% for ICP multiple exposures
K	J	MDJA04	% RSD > 20% for ICP multiple exposures
Ni	J	MDJA04, 05, 06, & 07	% RSD > 20% for ICP multiple exposures
Co	J	MDJA06 & 06	% RSD > 20% for ICP multiple exposures
As	J	MDJA05 & 08	Only analysis of 2X CRDL standard required by SOW for ICP analysis
Be	J	MDJA05, 07, & 08	Only analysis of 2X CRDL standard required by SOW for ICP analysis

INORGANIC DATA QUALIFIERS REPORT (continued)

Case Number: 22582

Project Number: 94-0604

Site: Old Cherry Grove LE, Nixon Crossing, SC

<u>Element</u>	<u>Flag</u>	<u>Samples Affected</u>	<u>Reason</u>
Cd	J	MDJA05	Only analysis of 2X CRDL standard required by SOW for ICP analysis

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

SPECIFIED ANALYSIS DATA REPORT

```
*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88789 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNs **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 001-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 **
** CASE.NO.: 22582 SAS NO.: D. NO.: JA02 MD NO: JA02 **
** ** ** **
```

RESULTS UNITS PARAMETER  
2.8U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

SPECIFIED ANALYSIS DATA REPORT

```
*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88790 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 002-SS COLLECTION START: 08/24/94 1157 STOP: 00/00/00 **
** CASE.NO.: 22582 SAS NO.: D. NO.: JA03 MD NO: JA03 **
** ** ** **
```

RESULTS UNITS PARAMETER  
2.9U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

SPECIFIED ANALYSIS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88791 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 003-SS COLLECTION START: 08/24/94 1207 STOP: 00/00/00 \*\*  
\*\* CASE.NO.: 22582 SAS NO.: D. NO.: JA04 MD NO: JA04 \*\*  
\*\* \*\*

RESULTS UNITS PARAMETER  
3U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

SPECIFIED ANALYSIS DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88792 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNs **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 004-SS COLLECTION START: 08/24/94 1222 STOP: 00/00/00 **
** CASE.NO.: 22582 SAS NO.: D. NO.: JA05 MD NO: JA05 **
** ** ** **
```

RESULTS UNITS PARAMETER  
3U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

SPECIFIED ANALYSIS DATA REPORT

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*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88793 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 005-SS COLLECTION START: 08/24/94 1129 STOP: 00/00/00 **
** CASE NO.: 22582 SAS NO.: D. NO.: JA06 MD NO: JA06 **
** ** ** **
```

RESULTS UNITS PARAMETER  
4.6U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

SPECIFIED ANALYSIS DATA REPORT

```
*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88794 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNs **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 006-SS COLLECTION START: 08/24/94 1145 STOP: 00/00/00 **
** CASE.NO.: 22582 SAS NO.: D. NO.: JA07 MD NO: JA07 **
** ** ** **
```

RESULTS UNITS PARAMETER  
4.7U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
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\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

SPECIFIED ANALYSIS DATA REPORT

```
*** ** ** ** **
** PROJECT NO. 94-0604 SAMPLE NO. 88795 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNS **
** SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC **
** STATION ID: 007-SS COLLECTION START: 08/24/94 1155 STOP: 00/00/00 **
** CASE NO.: 22582 SAS NO.: D. NO.: JA08 MD NO: JA08 **
** ** ** **
```

RESULTS UNITS PARAMETER  
6.2U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

SAMPLE AND ANALYSIS MANAGEMENT SYSTEM  
EPA-REGION IV ESD, ATHENS, GA.

10/07/94

SPECIFIED ANALYSIS DATA REPORT

\*\*\* \*\*  
\*\* PROJECT NO. 94-0604 SAMPLE NO. 88796 SAMPLE TYPE: SOIL PROG ELEM: NSF COLLECTED BY: F.M. CARNs \*\*  
\*\* SOURCE: OLD CHERRY GROVE LF CITY: NIXON CROS ST: SC \*\*  
\*\* STATION ID: 008-SS COLLECTION START: 08/24/94 1130 STOP: 00/00/00 \*\*  
\*\* CASE NO.: 22582 SAS NO.: D. NO.: JA09 MD NO: JA09 \*\*  
\*\* \*\*

RESULTS UNITS PARAMETER  
2.8U MG/KG CYANIDE

\*\*\*FOOTNOTES\*\*\*

\*A-AVERAGE VALUE \*NA-NOT ANALYZED \*NAI-INTERFERENCES \*J-ESTIMATED VALUE \*N-PRESUMPTIVE EVIDENCE OF PRESENCE OF MATERIAL  
\*K-ACTUAL VALUE IS KNOWN TO BE LESS THAN VALUE GIVEN \*L-ACTUAL VALUE IS KNOWN TO BE GREATER THAN VALUE GIVEN  
\*U-MATERIAL WAS ANALYZED FOR BUT NOT DETECTED. THE NUMBER IS THE MINIMUM QUANTITATION LIMIT.

needs DS

ref# 10094

RECEIVED

SITE DISCOVERY FORM

NOV 7 1990

S. C. Dept. of Health & Environmental  
Control-Bureau of Solid & Hazardous  
Waste Management

ACTION: A

EPA ID: SCD987-597432

SOURCE:        (R=EPA, T=STATE)

SITE NAME: OLD CHERRY GROVE LANDFILL  
CL (CRE LANDFILL) (40 chr. max.)

LOC. ADDRESS: NORTH WEST OF NIXONS C  
ROSSROADS (40 chr. max.)

CITY NAME: LITTLE RIVER  
       (25 chr. max.) ZIP CODE:       

COUNTY: HORRY (15 chr. max.)

COUNTY CODE:        (optional) CONG DIST:        (optional)

LATITUDE: 33°15'15.2" LONGITUDE: 78°14'10.6"

SITE DESCRIPTION: UNPERMITTED OPEN DUMP  
P

(160 chr. max.)

DISTRICT NAME: WACCAMAW (10 chr. max.)

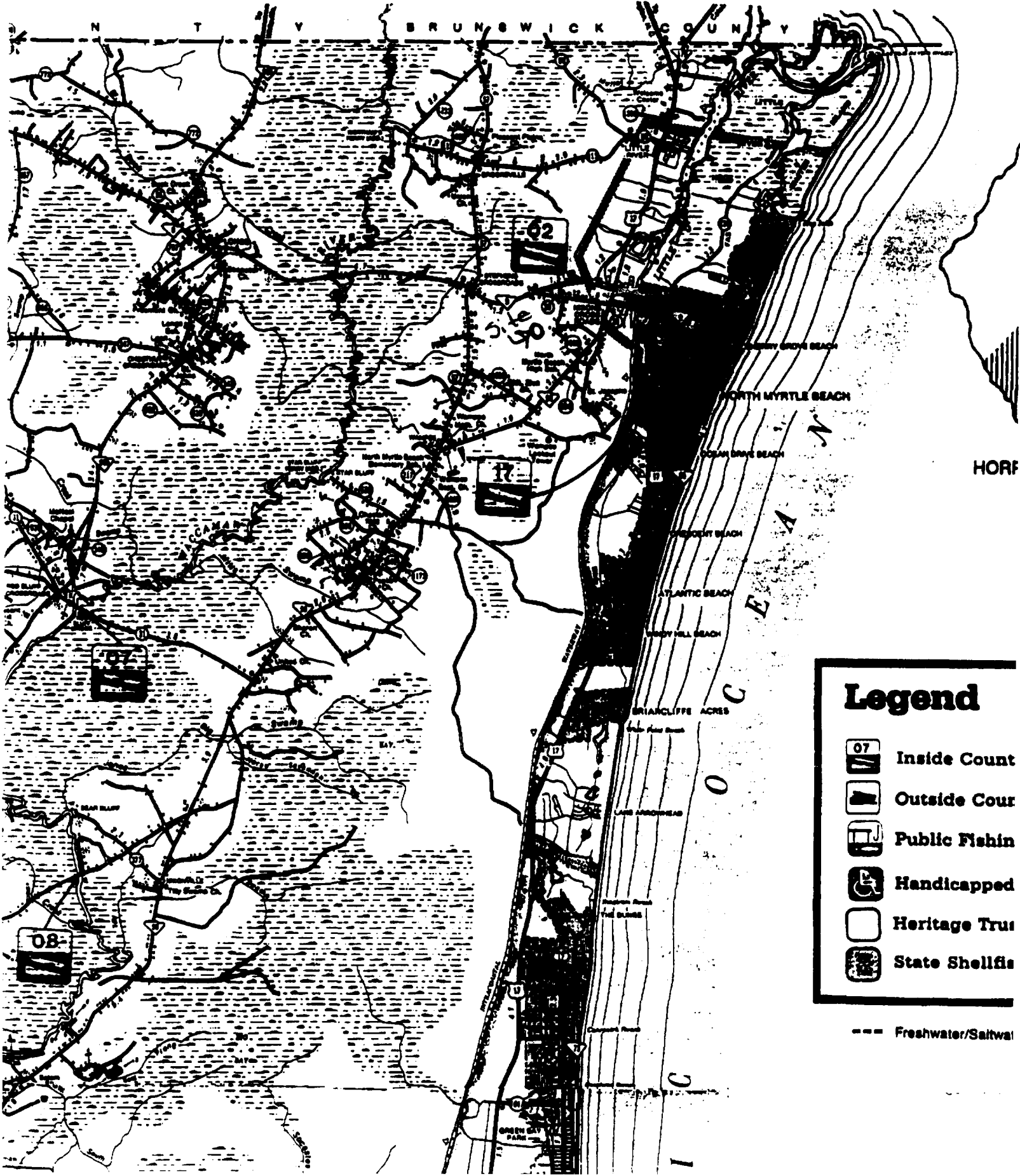
SITE DISCOVERY DATE: 10/29/90

REPORTED BY: Van Keisler

REASON FOR LISTING: Facility in operation before solid waste regulations  
Waste deposited in landfill is unknown and undocumented.



A R O L I N A



## Legend



Inside Count



Outside Cour



Public Fishin



Handicapped



Heritage Trus



State Shellfis

--- Freshwater/Saltwat